

STAFF REPORT
VOLUME II

**REVISION OF THE CLEAN WATER ACT SECTION 303(d)
LIST OF WATER QUALITY LIMITED SEGMENTS**

WATER BODY FACT SHEETS SUPPORTING
THE SECTION 303(d) RECOMMENDATIONS



APRIL 2002

DRAFT

DIVISION OF WATER QUALITY
STATE WATER RESOURCES CONTROL BOARD
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER QUALITY

STAFF REPORT

REVISION OF THE CLEAN WATER ACT SECTION 303(d)
LIST OF WATER QUALITY LIMITED SEGMENTS

WATER BODY FACT SHEETS SUPPORTING
THE SECTION 303(d) RECOMMENDATIONS

VOLUME II

April 2, 2002
DRAFT

Staff Report by the
Division of Water Quality
State Water Resources Control Board

***REVISION OF THE CLEAN WATER ACT SECTION 303(d)
LIST OF WATER QUALITY LIMITED SEGMENTS***

Water Body Fact Sheets Supporting the Section 303(d) Recommendations

Volume II

This Staff Report supporting the revision of the Clean Water Act Section 303(d) list of water quality limited segments has three parts: (1) Volume I which contains the listing methodology and a summary of the proposed additions, deletions, changes, and priorities; (2) Volume II which contains summaries of the proposals for the North Coast, San Francisco Bay, Central Coast, and Los Angeles Regional Water Quality Control Boards (RWQCBs); and (3) Volume III which contains summaries of the proposals for the Central Valley, Lahontan, Colorado River Basin, Santa Ana, and San Diego RWQCBs. Each proposal is presented in a water body fact sheet.

This document is Volume II of the Staff Report. Proposed changes to the Section 303(d) list are included for the following RWQCBs:

- North Coast (Region 1)
- San Francisco Bay (Region 2)
- Central Coast (Region 3)
- Los Angeles (Region 4)

Each RWQCB section in this volume is divided into the following parts:

- Recommended Changes to the Section 303(d) list
- Water Body Fact Sheets for each proposal
- Reference list of the data and information used

Regional Water Quality Control Board

NORTH COAST REGION (1)



SECTION 303 (d) LIST PROPOSALS

Region 1 Summary of Recommendations

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Russian River	Pathogens/REC-1	List	List: List for Pathogens. Data has shown these water bodies have exceeded the WQO for pathogens. Monte Rio area from the confluence of Dutch Bill Creek to the confluence of Fife creek. Also Healdsburg Memorial Beach from the Highway 101 crossing to the railroad crossing upstream of the beach.
Gualala River	Temperature/Aquatic Life	Watch List :The Regional Board feels there is insufficient information existing to list. The Maximum Weekly Average Temperature (MWAT) and the Maximum Weekly Maximum Temperature (MWMt) values for the Gualala River Watershed exceed the criteria values (Sullivan, 2000 Published Temperature Thresholds - Peer Reviewed Literature), that were used to translate the narrative Water Quality Objective for Region 1 for Temperature.	Watch List: Place Gualala River on the Watch List.

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Big River	Temperature/Water/Aquatic Life	Watch List: The Regional Board feels there is insufficient information existing to list. The MWAT/MWMT values for the Big River Watershed exceed the criteria values (Sullivan, 2000 Published Temperature Thresholds -Peer Reviewed Literature), that were used to translate the narrative Water Quality Objective for Region 1 for Temperature.	Watch List: Place Big River on the Watch List.
Ten Mile River	Temperature/Water/Aquatic Life	Watch List: The Regional Board feels there is insufficient information existing to list. The MWAT/MWMT values for the Ten Mile River Watershed exceed the criteria values (Sullivan, 2000 Published Temperature Thresholds -Peer Reviewed Literature), that were used to translate the narrative Water Quality Objective for Region 1 for Temperature.	Watch List: Place Ten Mile River on the Watch List.
Jacoby Creek	Sediment/Aquatic Life	List	List: List for Sediment. Based on the review of available information the Beneficial Uses of Jacoby Creek are impacted due to sedimentation. The data have exceeded the criteria (Published Sedimentation Thresholds-Peer Reviewed Literature), used to translate the narrative Basin Plan Water Quality Objectives for sediment.

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Mad River	Temperature/Water/Aquatic Life	Watch List: The Regional Board feels there is insufficient information existing to list. The MWAT/MWMT values for the Mad River Watershed exceed the criteria values (Sullivan, 2000 Published Temperature Thresholds -Peer Reviewed Literature), that were used to translate the narrative Water Quality Objective for Region 1 for Temperature.	Watch List: Place Mad River on the Watch List.
Redwood Creek	Temperature/Water/Aquatic Life	Watch List :The Regional Board feels there is insufficient information existing to list. The MWAT/MWMT values for the Ten Mile River Watershed exceed the criteria values (Sullivan, 2000 Published Temperature Thresholds -Peer Reviewed Literature), that were used to translate the narrative Water Quality Objective for Region 1 for Temperature.	Watch List: Place Redwood Creek on the Watch List.
Santa Rosa Creek	Pathogens/Water/REC-1	List	List: List based on their pathogen data exceedance using the DHS Guidance. A Swimming Advisory for this waterbody is in effect, based on the use of this Draft CA. DHS Guidance for Fresh Water Beaches, impacting the Beneficial Use. Note: There was not enough data to show exceedances of REC-1 WQO- Bacteria.
Laguna de Santa Rosa	Nutrients/Water/Aquatic Life	List	List : List for Nutrients (Phosphorus and Nitrogen). Data have shown that the WQO linked to nutrients is being exceeded.

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Laguna de Santa Rosa	Dissolved Oxygen/Water/Aquatic Life	List	List : List for Dissolved oxygen. The data have shown that the WQO is not being met. Note: A TMDL was completed for Dissolved Oxygen once before and it has been shown that it did not work. When the TMDL was completed the water body was removed from the 303(d) List. Now it must be listed again.
Stemple Creek/Estero de San Antonio	Sediment/Water/Aquatic Life	List	List: List for Sediment. A TMDL was approved in 1997 for this Watershed and Sediment was inadvertently not included as a stressor in the original 303(d) List and it should have been. All the elements for sediment are addressed in the 1997 TMDL, but Sediment wasn't listed as a stressor whereas nutrients were. RB wants to amend the 303(d) list to include Sediment so that the TMDL can be completed. The data have exceeded the criteria, (Published Sedimentation Thresholds- Peer Reviewed Literature), used to translate the narrative Basin Plan Water Quality Objectives for Sediment.
Russian River	Temperature/Water/Aquatic Life	List: The MWAT/MWMT values for the Russian River Watershed exceed the criteria values (Sullivan, 2000 Published Temperature Thresholds- Peer Reviewed Literature) that were used to translate the narrative Water Quality Objective for Region 1 for Temperature.	Watch List: The Regional Board staff wish to list this water body for temperature and put the other 5 rivers impaired for temperature on the Watch List . To be consistent with these RB recommendations, the Russian River should be placed on the Watch List. The amounts and kinds of data are the same for all six rivers.

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Tule Lake and the Lower Klamath National Wildlife Refuge	pH/Water/Aquatic Life	List	List: List for pH for the portions of Tule Lake and Lower Klamath Lake National Wildlife Refuge in CA. Data has shown that the pH values exceeded the WQO for pH.

Region 1

Russian River

Water Body	Russian River
Stressor/Media/Beneficial Use	Pathogens/REC-1
Data quality assessment. Extent to which data quality requirements met.	Data with a QA/QC were given the greatest weight.
Linkage between measurement endpoint and beneficial use or standard	Pathogens/Bacteria (i.e. Fecal coliform) to REC-1 Beneficial Use.
Utility of measure for judging if standards or uses are not attained	Basin Plan Water Quality Objectives.
Water Body-specific Information	Data = 15 Years (1987-2001), Data measured at site, Species or indicator present at site, Environmental conditions considered at sites.
Data used to assess water quality	Bacterial Data : 72% of the fecal coliform data from 1986-1994 at Healdsburg Memorial Beach exceed the WQO. 75% of the fecal coliform data from 1992-1994 at Monte Rio beach exceed the WQO.
Spatial representation	Healdsburg Memorial Beach and Monte Rio Beach areas, sample sites unknown.
Temporal representation	All of the Samples were collected in the summer months.
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List: List for Pathogens. Data has shown these water bodies have exceeded the WQO for pathogens. Monte Rio area from the confluence of Dutch Bill Creek to the confluence of Fife creek. Also Healdsburg Memorial Beach from the Highway 101 crossing to the railroad crossing upstream of the beach.

Region 1

Gualala River

Water Body	Gualala River
Stressor/Media/Beneficial Use	Temperature/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data with a QA/QC were given the greatest weight.
Linkage between measurement endpoint and beneficial use or standard	Maximum Weekly Average Temperature (MWAT) linked to Aquatic Life Beneficial Use.
Utility of measure for judging if standards or uses are not attained	Basin Plan Water Quality Objectives/Historic Temperature Ranges/Sullivan 2000 Published Temperature Thresholds- Peer Reviewed Literature.
Water Body-specific Information	Data = 6 Years (1994-2000), Data measured at site, Species or indicator present at site, Environmental conditions considered at site.
Data used to assess water quality	MWAT values exceeded criteria for sub-lethal effects (10 to 20% reduced growth) in the watershed at all or most locations. Maximum temperatures in one year at 15 locations was higher than 24 Degrees = Lethal.
Spatial representation	62 Locations over the 300 square mile area in the Gualala River Watershed
Temporal representation	Data collected over 6 Years, with at least two years at 27 locations.
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Watch List :The Regional Board feels there is insufficient information existing to list. The Maximum Weekly Average Temperature (MWAT) and the Maximum Weekly Maximum Temperature (MWMT) values for the Gualala River Watershed exceed the criteria values (Sullivan, 2000 Published Temperature Thresholds -Peer Reviewed Literature), that were used to translate the narrative Water Quality Objective for Region 1 for Temperature.
SWRCB Staff Recommendation	Watch List: Place Gualala River on the Watch List.

Region 1

Big River

Water Body	Big River
Stressor/Media/Beneficial Use	Temperature/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data with a QA/QC were given the greatest weight.
Linkage between measurement endpoint and beneficial use or standard	MWAT linked to Aquatic Life Beneficial Use.
Utility of measure for judging if standards or uses are not attained	Basin Plan Water Quality Objectives/Historic Temperature Ranges/Sullivan 2000 Published Temperature Thresholds- Peer Reviewed Literature.
Water Body-specific Information	Data = 4 years (96-2000) , Data measured at site, Species or indicator present at Site, Environmental conditions considered at site.
Data used to assess water quality	Data show that 29 out of 34 locations exceed the criterion of Sullivan, 2000= 14.8 degrees. But 23 locations had MWAT values exceeded for sub-lethal effects (10 and 20 % reduced growth) None of the sites exceeded the 24 degree lethal criteria. 19 locations MWAT values exceeded the MWAT criteria (17 Degrees) for sub-lethal effects (10 % reduced growth). MWAT values at 4 locations exceeded the available MWAT criteria for sub-lethal effects(20% reduced growth).
Spatial representation	34 Locations over the 200 sq. mile area in the Big River watershed.
Temporal representation	Data was collected over 4 years (96-2000), with at least two years of record at 15 locations
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Watch List: The Regional Board feels there is insufficient information existing to list. The MWAT/MWMT values for the Big River Watershed exceed the criteria values (Sullivan, 2000 Published Temperature Thresholds -Peer Reviewed Literature), that were used to translate the narrative Water Quality Objective for Region 1 for Temperature.
SWRCB Staff Recommendation	Watch List: Place Big River on the Watch List.

Region 1

Ten Mile River

Water Body	Ten Mile River
Stressor/Media/Beneficial Use	Temperature/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data with a QA/QC were given the greatest weight.
Linkage between measurement endpoint and beneficial use or standard	MWAT linked to Aquatic Life Beneficial Use.
Utility of measure for judging if standards or uses are not attained	Basin Plan Water Quality Objectives/Historic Temperature Ranges/Sullivan 2000 Published Temperature Thresholds- Peer Reviewed Literature.
Water Body-specific Information	Data = 7 years (93-2000), Data measured at site, Species or indicator present at Site, Environmental conditions considered at site.
Data used to assess water quality	Maximum recorded temperatures did not exceed 24 degrees at any of the locations...31 out of the 37 locations exceeded the 14.8 criteria (Sullivan 2000). MWAT values at 17 locations exceeded the 17 degree MWAT criteria for sub-lethal effects (10 % reduced growth) MWAT values at 3 of the locations exceeded the MWAT criteria for sub-lethal (20% reduced growth).
Spatial representation	Data were available from 37 locations.
Temporal representation	2 years of data were available for all of the 37 locations with the exception of 3 of them. 5 years of data were available from 26 locations.
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Watch List: The Regional Board feels there is insufficient information existing to list. The MWAT/MWMT values for the Ten Mile River Watershed exceed the criteria values (Sullivan, 2000 Published Temperature Thresholds -Peer Reviewed Literature), that were used to translate the narrative Water Quality Objective for Region 1 for Temperature.
SWRCB Staff Recommendation	Watch List: Place Ten Mile River on the Watch List.

Region 1

Jacoby Creek

Water Body	Jacoby Creek
Stressor/Media/Beneficial Use	Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data with a QA/QC were given the greatest weight and a QA Plan was submitted as a reference.
Linkage between measurement endpoint and beneficial use or standard	Turbidity linked to Aquatic Life Beneficial Use.
Utility of measure for judging if standards or uses are not attained	Basin Plan Water Quality objectives for Sediment, settleable material and turbidity. Published Sedimentation Thresholds- Peer Reviewed Literature.
Water Body-specific Information	Data = 10 Years (1992-2001). Data measured at site, Species or indicator present at Site, Environmental conditions considered at site.
Data used to assess water quality	Turbidity levels throughout the watershed from 1992- 2001, are recorded at levels detrimental to salmonids. Up to 1.6 feet of aggradation from 1992 to 2001 based on cross section surveys.
Spatial representation	Targeted Sites, 10 along the creek
Temporal representation	Data collected over 10 years in 1992- 2001.
Data type	Numerical data
Use of standard method	Protocol/QAPP developed by Salmon Forever using EPA and USGS standard methods.
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List: List for Sediment. Based on the review of available information the Beneficial Uses of Jacoby Creek are impacted due to sedimentation. The data have exceeded the criteria (Published Sedimentation Thresholds-Peer Reviewed Literature), used to translate the narrative Basin Plan Water Quality Objectives for sediment.

Region 1

Mad River

Water Body	Mad River
Stressor/Media/Beneficial Use	Temperature/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data with a QA/QC were given the greatest weight.
Linkage between measurement endpoint and beneficial use or standard	MWAT linked to Aquatic Life Beneficial Use.
Utility of measure for judging if standards or uses are not attained	Basin Plan Water Quality Objectives/Historic Temperature Ranges/Sullivan 2000 Published Temperature Thresholds- Peer Reviewed Literature.
Water Body-specific Information	Data = 4 years (97-2001), Data measured at site, Species or indicator present at Site, Environmental conditions considered at site.
Data used to assess water quality	MWAT values at all 11 locations exceeded 20 degrees and are higher than the criteria for sub-lethal effects (10 to 20% reduced growth). Maximum temperatures at most of the 11 locations were higher than 24 Degrees (= Lethal) in most years.
Spatial representation	Targeted 11 sites along the 503 sq. miles of the creek
Temporal representation	Data collected over 4 years. Data was available from 11 locations, with at least 2 years of record at most locations.
Data type	Numerical data
Use of standard method	Monitoring was conducted as part of the permitting process from 1997-2000)
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Watch List: The Regional Board feels there is insufficient information existing to list. The MWAT/MWMT values for the Mad River Watershed exceed the criteria values (Sullivan, 2000 Published Temperature Thresholds -Peer Reviewed Literature), that were used to translate the narrative Water Quality Objective for Region 1 for Temperature.
SWRCB Staff Recommendation	Watch List: Place Mad River on the Watch List.

Region 1

Redwood Creek

Water Body	Redwood Creek
Stressor/Media/Beneficial Use	Temperature/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data with a QA/QC were given the greatest weight.
Linkage between measurement endpoint and beneficial use or standard	MWAT linked to Aquatic Life Beneficial Use.
Utility of measure for judging if standards or uses are not attained	Basin Plan Water Quality Objectives/Historic Temperature Ranges/Sullivan 2000 Published Temperature Thresholds- Peer Reviewed Literature.
Water Body-specific Information	Data = 7 years (94-2001), Data measured at site, Species or indicator present at Site, Environmental conditions considered at site.
Data used to assess water quality	MWAT values at 23 of the 31 locations exceeded criteria (Sullivan2000) for 14.8 degrees C. 10 locations exceeded the criteria sub-lethal effects (10% reduced growth) 17 degrees C. 5 locations in the estuary, 3 locations in the mainstem, and 1 on Lacks Creek exceeded the criteria available for (20% reduced growth) sub-lethal effects. Maximum temperatures at 6 locations were higher than 24 Degrees Celsius (= Lethal).
Spatial representation	Targeted sites 31 locations over the 294 sq. miles of the creek
Temporal representation	Data was collected over 7 years (94-2001), with at least two years of record at 20 locations
Data type	Numerical data
Use of standard method	USGS sampling
Potential Source(s) of Pollutant	Landslides in the Redwood Creek Watershed/Floods/Erosion of decommissioned roads.
Alternative Enforceable Program	
RWQCB Recommendation	Watch List :The Regional Board feels there is insufficient information existing to list. The MWAT/MWMT values for the Ten Mile River Watershed exceed the criteria values (Sullivan, 2000 Published Temperature Thresholds -Peer Reviewed Literature), that were used to translate the narrative Water Quality Objective for Region 1 for Temperature.
SWRCB Staff Recommendation	Watch List: Place Redwood Creek on the Watch List.

Region 1

Santa Rosa Creek

Water Body	Santa Rosa Creek
Stressor/Media/Beneficial Use	Pathogens/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	Data with a QA/QC were given the greatest weight.
Linkage between measurement endpoint and beneficial use or standard	Pathogens/Bacteria (i.e. E. coli.) linked to REC-1 Beneficial Use.
Utility of measure for judging if standards or uses are not attained	CA. Draft DHS Guidance for Freshwater Beaches, Swimming Advisory Posting
Water Body-specific Information	Data = 1-23 Years (1979/1980 and 2001), Data measured at site, Species or indicator present at Site, Environmental conditions considered at site.
Data used to assess water quality	Bacterial Data n=38, 19 exceeding draft DHS Guidance standards NOT enough data to show exceedance of REC-1 WQO -Bacteria, but enough to show exceedance of the DHS guidance. The DHS guidance for fresh water beaches, which was used to post a swimming advisory for this water body.
Spatial representation	Targeted Sites, 12 along the creek
Temporal representation	Data collected over 12 days in June/July 2001 and also during 4 separate months in 1979/1980.
Data type	Numerical data
Use of standard method	City of Santa Rosa and Draft CA. State DHS Guidance for Fresh Water Beaches
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List: List based on their pathogen data exceedance using the DHS Guidance. A Swimming Advisory for this waterbody is in effect, based on the use of this Draft CA. DHS Guidance for Fresh Water Beaches, impacting the Beneficial Use. Note: There was not enough data to show exceedances of REC-1 WQO- Bacteria.

Region 1

Laguna de Santa Rosa

Water Body	Laguna de Santa Rosa
Stressor/Media/Beneficial Use	Nutrients/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data with a QA/QC were given the greatest weight.
Linkage between measurement endpoint and beneficial use or standard	Nitrogen and Phosphorus linked to Aquatic Life Beneficial Use.
Utility of measure for judging if standards or uses are not attained	USEPA Criterion, WQO
Water Body-specific Information	Data = 5-6 Years (1995-2001), Data measured at site, Species or indicator present at Site, Environmental conditions considered at site.
Data used to assess water quality	Water Chemistry Total Samples n=10, 9 exceeding
Spatial representation	Targeted Sites, 10 along the creek
Temporal representation	Data collected over 4 seasons
Data type	Numerical data
Use of standard method	USEPA Standards, and Standard Methods for examination of Wastewater and Water
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List : List for Nutrients (Phosphorus and Nitrogen). Data have shown that the WQO linked to nutrients is being exceeded.

Region 1

Laguna de Santa Rosa

Water Body	Laguna de Santa Rosa
Stressor/Media/Beneficial Use	Dissolved Oxygen/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data with a QA/QC were given the greatest weight.
Linkage between measurement endpoint and beneficial use or standard	Dissolved Oxygen linked to Aquatic Life Beneficial Use.
Utility of measure for judging if standards or uses are not attained	WQO, Regional Board's Basin Plan Objective for Dissolved Oxygen.
Water Body-specific Information	Data = 5-6 Years (1995-2001), Data measured at site, Species or indicator present at Site, Environmental conditions considered at site.
Data used to assess water quality	Water Chemistry Total Samples n=1792, with 1612 below the 7.0 mg/L Objective.
Spatial representation	Data collected at 4 attainment points along the Water body
Temporal representation	Data collected over 4 seasons
Data type	Numerical data
Use of standard method	City of Santa Rosa Monitoring
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List : List for Dissolved oxygen. The data have shown that the WQO is not being met. Note: A TMDL was completed for Dissolved Oxygen once before and it has been shown that it did not work. When the TMDL was completed the water body was removed from the 303(d) List. Now it must be listed again.

Region 1

Stemple Creek/Estero de San Antonio

Water Body	Stemple Creek/Estero de San Antonio
Stressor/Media/Beneficial Use	Sediment/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data with a QA/QC were given the greatest weight.
Linkage between measurement endpoint and beneficial use or standard	Turbidity linked to Aquatic Life Beneficial Use.
Utility of measure for judging if standards or uses are not attained	Basin Plan Water Quality objectives for sediment. Published Sedimentation Thresholds- Peer Reviewed Literature.
Water Body-specific Information	Data = 5 Years (1996-2001), Data measured at site, Species or indicator present at Site, Environmental conditions considered at site.
Data used to assess water quality	Have a narrative Objective for Sediment and Turbidity, Have data from 5 years for turbidity measurements. The data have exceeded the criteria (Published Sedimentation Thresholds- Peer Reviewed Literature.) used to translate the narrative Basin Plan Water Quality Objectives for Sediment.
Spatial representation	Targeted stations, 3 sites along creek
Temporal representation	Data collected over 5 sampling years.
Data type	Numerical data
Use of standard method	Dept. Fish and Game
Potential Source(s) of Pollutant	Soil Erosion, Nonpoint Source
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List: List for Sediment. A TMDL was approved in 1997 for this Watershed and Sediment was inadvertently not included as a stressor in the original 303(d) List and it should have been. All the elements for sediment are addressed in the 1997 TMDL, but Sediment wasn't listed as a stressor whereas nutrients were. RB wants to amend the 303(d) list to include Sediment so that the TMDL can be completed. The data have exceeded the criteria, (Published Sedimentation Thresholds- Peer Reviewed Literature), used to translate the narrative Basin Plan Water Quality Objectives for Sediment.

Region 1

Russian River

Water Body	Russian River
Stressor/Media/Beneficial Use	Temperature/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data with a QA/QC were given the greatest weight.
Linkage between measurement endpoint and beneficial use or standard	MWAT linked to Aquatic Life Beneficial Use.
Utility of measure for judging if standards or uses are not attained	Basin Plan Water Quality Objectives/Historic Temperature Ranges/Sullivan 2000 Published Temperature Thresholds- Peer Reviewed Literature.
Water Body-specific Information	Data = 5 years (1997-2001), Data measured at site, Species or indicator present at site , Environmental conditions considered at site.
Data used to assess water quality	All 26 locations had MWAT values exceeding the (Sullivan 2000) criteria of 14.8 and 17 Degrees, used to translate the narrative WQO for temperature.
Spatial representation	26 Site locations in the Russian River Watershed.
Temporal representation	More than one Season for 5 years
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	List: The MWAT/MWMT values for the Russian River Watershed exceed the criteria values (Sullivan, 2000 Published Temperature Thresholds- Peer Reviewed Literature) that were used to translate the narrative Water Quality Objective for Region 1 for Temperature.
SWRCB Staff Recommendation	Watch List: The Regional Board staff wish to list this water body for temperature and put the other 5 rivers impaired for temperature on the Watch List . To be consistent with these RB recommendations, the Russian River should be placed on the Watch List. The amounts and kinds of data are the same for all six rivers.

Region 1

Tule Lake and the Lower Klamath National Wildlife Refuge

Water Body	Tule Lake and the Lower Klamath National Wildlife Refuge
Stressor/Media/Beneficial Use	pH/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data with a QA/QC were given the greatest weight.
Linkage between measurement endpoint and beneficial use or standard	pH linked to Aquatic Life Beneficial Use.
Utility of measure for judging if standards or uses are not attained	Basin Plan Water Quality Objectives.
Water Body-specific Information	Data = 6 years (1992-1997), Data measured at site, Species or indicator present at Site, Environmental conditions considered at site.
Data used to assess water quality	For the Klamath Straights Data showed in 1996, 10 pH exceedances out of 15 measurements (7.9- 10 range), 1997 data showed 13 pH exceedances out of 15 measurements (8.1 - 10 Range). The 1992-95 data showed 3 exceedances out of 11 samples (4.6- 9.12 range). For the Tule Lake Data showed in 1996 10 pH exceedances out of 15 measurements (7.5 - 10.0 range). 1997 data showed 13 exceedances out of 15 measurements and the 1992-95 the data showed 7 exceedances out of 11 samples (range 5 - 10.2).
Spatial representation	Klamath Straights- sampling station/Tule Lake ... Pump D sampling station
Temporal representation	April through October Data from 1992- 1997 for Klamath and Tule Lake
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List: List for pH for the portions of Tule Lake and Lower Klamath Lake National Wildlife Refuge in CA. Data has shown that the pH values exceeded the WQO for pH.

Water Bodies Proposed for the Watch List by Region 1

Alder Creek	Sediment and Temperature
Beith Creek	Sediment
Brush Creek	Sediment
Casper Creek	Pathogens
Cottaneva Creek	Sediment
Dehaven Creek	Sediment
East Fork Trinity River	Mercury
Elk Creek	Sediment
Greenwood Creek	Sediment and Temperature
Grotzman Creek	Sediment
Hardy Creek	Sediment
Howard Creek	Sediment
Humboldt Bay	PCBs and Dieldrin Sediment
Juan Creek	Sediment
Klamath River	Sediment
Laguna de Santa Rosa	Chromium, Copper, and Zinc Diazinon
Lake Mendocino	Mercury
Lake Sonoma	Mercury

Mad River Slough	PCBs
Mallo Pass Creek	Sediment
Pudding Creek	Pathogens
Russian River	Diazinon
Santa Rosa Creek	Chromium, Copper, and Zinc Diazinon
Schooner Gulch	Sediment
Shasta River	Sediment and Nutrients
Tule Lake and Lower Klamath Lake National Wildlife Refuge	Dissolved Oxygen and Unionized Ammonia
Usal Creek	Sediment
Virgin Creek	Pathogens
Wages Creek	Sediment

Reference List for Region 1

Staff Report

California Regional Water Quality Control Board. North Coast Region. 2001. 303(d) List Update Recommendations. November 16, 2001.

Contacts

Acker, Charles. Elk County Water District, 12/5/1997
Acker, Charles. Elk County Water District, 5/10/2001
Adelman, Brenda. Russian River Watershed Protection Committee, 5/15/2001
Alden, Henry. Gualala Redwoods, Inc., 9/26/2001
Ambrose, Jon. Georgia-Pacific Corporation, 12/11/1997
Blue, Gerry. 5/10/2001
Boland, Margaret J. Department of Agriculture, 5/14/2001
Booth, Lyn. Environmental Health Department, 5/14/2001
Brauner, Ed. City of Santa Rosa, 10/8/2001
Brown, Jon C. Department of Parks and Mendocino, 2/20/2001
Brown, Margaret. private citizen, 12/10/1997
Brucker, Peter. Salmon River Restoration Council, 5/14/2001
Bush, Bernard. Redwood Creek Landowners Assoc., 10/8/2001
Cissne, John M. 4/13/2001
Conner, Kelly. Fruit Growers Supply Company, 5/15/2001
de Vall, Norman. Greenwood Watershed Association, 12/11/1997
Dixon, Rex and Charlotte. 5/10/2001
Elliott, Richard L. Department of Fish and Game - Region 1, 12/1/1997
Euphrat, Fred. Forest, Soil & Water, Inc., 12/11/1997
Farhi, Seth. 5/14/2001
Fenton, Clark. Salmon Forever, 5/14/2001
Finger, Elizabeth. Jacoby Creek Protection Association, 5/14/2001
Friedrichsen, Gary L. 5/10/2001
Gienger, Richard. Sotoyome Resource Conservation District, 5/15/2001
Halstead, Ted. 4/7/2001
Herman, Thomas. Barnum Timber Co., 10/5/2001
Herman, Thomas M. Barnum & Herman, 5/11/2001
Hofstra, Terrence D. USDI, CDPR, Redwood National and State Parks, 5/15/2001
Kelly, Scott. HJW & Associates, Inc., 12/11/1997
Koch, Donald B. Department of Fish and Game - Region 1, 8/31/1998
Koch, Gene.

Koken, Angela. 5/10/2001

Madej, Mary Ann. USDI, USGS, Western Ecological Research Center, 5/11/2001

McEnhill, Don. Friends of the Russian River-RiverKeeper Project, 5/15/2001

McEnhill, Don. Friends of the Russian River-RiverKeeper Project, 5/15/2001

McEnhill, Don. Friends of the Russian River-RiverKeeper Project, 5/15/2001

Oliveri, Mary Jane. City of Santa Rosa Public Works Department, 5/15/2001

Pjerrou, Mary. Redwood Coast Watersheds Alliance, 5/14/2001

Pjerrou, Mary. Redwood Coast Watershed Alliance, 10/9/2001

Quinn, Scott. Karuk Tribe of California, 5/15/2001

Rische, Carol. Humboldt Bay Municipal Water District, 10/29/2001

Rosen, Elyssa. Sierra Club, 12/11/1997

Rosenblum, John. Rosenblum Environmental Engineering, 12/11/1997

Roth, James. Merritt Smith Consulting, 10/5/2001

Schmidt, Erik. 5/10/2001

Shulz, Tom. Louisiana-Pacific, 12/11/1997

Slota, Dennis. Mendocino County Water Agency, 5/15/2001

Small, Lynn M. City of Santa Rosa Utilities Department, 5/14/2001

Stansberry, Bob and Val. 5/12/2001

Starner, Keith. DPR, 4/26/2001

Surfleet, Chris. Mendocino Redwood Company, 10/1/2001

Tarvin, Jay. Humboldt Bay Municipal Water District, 4/12/2001

Wunner, Robert. 5/10/2001

Technical References

Anderson, D. 1983. Status of Summer Steelhead Trout in Redwood Creek, Redwood National Park, California. In S. Viers, J. Stohlgren, and C. Schonewald-Cox, ed. Proceedings of the Fourth Conference on Research in California's National Parks, Transactions and Proceedings Series 9. T, 1-8. U.S. DOI, National Park Service.

Bisson, P., Bilby, R. 1991. Avoidance of Suspended Sediment by Juvenile Coho Salmon. North American Journal of Fisheries Management, 4:371-374.

Brown, L. and Moyle, P. 1991. Status of Coho Salmon in California. Report to the National Marine Fisheries Service. Department of Fisheries and Wildlife - University of California at Davis.

Brungs, J., Jones, B. 1977. Temperature Criteria for Freshwater Fish: Protocol and Procedures. Environmental Research Laboratory - Duluth. US EPA.

Burns, J.W. 1970. Spawning Bed Sedimentation Studies in North California Streams. California Fish and Game 56(4). Pages 253-279.

California Department of Fish and Game. 1995. Stream Inventory Reports for Usal Creek and South Fork Usal Creek.

California Department of Fish and Game. Temperature monitoring data 1999.

California Department of Health Services. July 24, 2001. Draft Guidance for Fresh Water Beaches.

California Department of Pesticide Regulation. December 1997. Temporal Distribution of Insecticide Residue in Four California Rivers. Report No. EH97-06.

California EPA - Office of Environmental Health Hazard Assessment. March 2000. Draft Evaluation of Potential Health Effects of Eating from Black Butte Reservoir (Glenn and Tehama Counties): Guidelines for Sport Fish Consumption.

California State Water Resources Control Board. 1998. Chemical and Biological Measures of Sediment Quality and Tissue Bioaccumulation in the North Coast Region - Final Report. Bay Protection and Toxic Cleanup Program.

California State Water Resources Control Board. 2001. State Mussel Watch Program: Preliminary Summary of 1999-2000 Data.

Campbell Timberland Management, LLC. Gulch 11/South Fork Ten Mile River THP No. 1-00-138 MEN.

Campbell Timberland Management. One Way Truck Road Timber Harvest Plan. # 1-01-080 MEN, submitted 3/22/01.

Campbell Timberland Management. Estimated Aquatic Vertebrate Populations North and South Forks Usal Creek 1993-2000.

Campbell Timberland Management. Scudder Gulch Timber Harvest Plan. #1-01-172 MEN, Submitted 5/15/01.

City of Santa Rosa Utilities Department: Subregional Water Reclamation System. Laguna Subregional Wastewater Collection, Treatment and Disposal Facility Self-monitoring reports for 2000 and 2001.

City of Santa Rosa. June - July 2001. Self-monitoring data.

Department of Fish and Game. December 6, 2000. Marin-Sonoma Counties Agricultural Runoff Influence Investigation: 1999 - 2000 Summary. Appended data 1990 - 1998.

Department of Fish and Game. Marin-Sonoma Counties Agricultural Runoff Influence Investigation: 2001 data.

Department of Forestry and Fire Protection, Coast-Cascade Region. 1994-1997. Water Temperatures on Jackson Demonstration State Forest.

Elliot, J. 1981. Some Aspects of Thermal Stress on Freshwater Teleosts. Pages 209-245 in A.D. Pickering, editor. Stress and Fish. Academic Press, London.

Forest, Soil & Water. 1996. Greenwood Creek Stream Survey: Data Analysis and Recommendations.

Georgia Pacific West, Inc. So. Fork Ten Mile River THP No. 1-99-167 MEN.

Gualala Redwoods Inc. 2001. Stream Report. Unpublished report.

Hawthorne Timber Co. North Side Smith THP No. 1-01-206 MEN.

Jobling, M. 1981. Temperature tolerance and the final preferendum - rapid methods for the assessment of optimum growth temperatures. *Journal of Fish Biology*. 19:439-455.

Jong, B. 1994. Chinook Salmon Spawning Habitat Quality Evaluation Studies: Shasta River and South Fork Trinity River Basins. California Department of Fish and Game.

Klein, R. 2001. Suspended Sediment Concentrations and Fluxes in Redwood Creek Tributaries. Unpublished data.

Knopp, C. 1993. Testing Indices of Cold Water Fish Habitat. North Coast Regional Water Quality Control Board in cooperation with the California Department of Forestry.

Lewis, T. et al. 2000. Regional Assessment of Stream Temperatures Across Northern California and their Relationship to Various Landscape-Level and Site-Specific Attributes. Forest Science Project. Humboldt State University Foundation, Arcata, CA. 420 pp.

Ligon, F. et al. 1999. Report of the Scientific Review Panel on California Forest Practice Rules and Salmonid Habitat. Prepared for the Resources Agency of California and the National Marine Fisheries Service. Sacramento, California.

Lisle, T. and S. Hilton. 1992. The Volume of Fine Sediment in Pools: An Index of Sediment Supply in Gravel-Bed Streams. *Water Resources Bulletin* Volume 28, No. 2.

Lisle, T. and S. Hilton. 1999. Fine Bed Material in Pools of Natural Gravel Bed Channels. *Water Resources Research*. Volume 35, No. 4.

Madej, M. 1984. Recent Changes in Channel-Stored Sediment Redwood Creek, California. Report for Redwood National Park.

- Madej, M. 1999. Temporal and Spatial Variability in Thalweg Profiles of a Gravel-Bed River. *Earth Surface Processes and Landforms* 24, 1153-1169.
- Marshack, J. 2000. A Compilation of Water Quality Goals. Regional Water Quality Control Board, Central Valley Region.
- Meehan, W. (Editor) 1991. Influences of Forest and Rangeland Management of Salmonid Fishes and Their Habitat. American Fisheries Society Special Publication 19. American Fisheries Society.
- Mendocino Redwood Company. THP No. 1-01-316 MEN.
- Mendocino Redwood Company. THP No. 1-01-358 MEN.
- Mendocino Redwoods Company. Beeside Timber Harvest Plan. #1-01-104 MEN, submitted 5/10/01.
- Mendocino Redwoods Company. Section 27 II Timber Harvest Plan. #1-01-072 MEN, submitted 3/15/01.
- Natural Resources Management. Temperature monitoring data 1997-1999.
- NCRWQCB. 2001. Compilation of reported sediment data from Redwood Creek. Unpublished data.
- NCRWQCB. 2001. Database of Redwood Creek information.
- NCRWQCB. August 14, 1997. Executive Officer's Summary Report by Peter Otis.
- NCRWQCB. August 15, 2001. Gualala River Watershed Technical Support Document for the Total Maximum Daily Load for Sediment.
- NCRWQCB. August 15, 2001. Gualala River Watershed Technical Support Document for the Total Maximum Daily Load for Sediment.
- NCRWQCB. August 2, 2001. Draft Assessment of Aquatic Conditions in the Mendocino Coast Hydrologic Unit.
- NCRWQCB. August 2001. Memo to file. Stemple Creek 303(d) Listing history.
- NCRWQCB. February 28, 1996. Draft Report: Sediment Sample Results for Organic Chemicals, Metals, and Nutrients in the Laguna de Santa Rosa/Mark West Creek System and the Russian River 1985-1986 and 1995.
- NCRWQCB. May 1996. Water Quality Control Plan for the North Coast Region.
- NCRWQCB. Report to File "Russian River Bacteria Levels". December 6, 2001.
- NCRWQCB. Unpublished coliform data. 1979-1980.
- NCRWQCB. Unpublished Data. Data collected under a U.S. EPA Clean Water Act 104(b)(3) Water Quality Grant for Monitoring on the Klamath and Lost Rivers. Sampling occurred from April 3, 1996 through October 18, 1996 and from April 2, 1997 through October 24, 1997.
- NCRWQCB. Unpublished Laguna de Santa Rosa monitoring data. August/September 2001. Under contract with the Sonoma County Water Agency.
- NCRWQCB. Unpublished Russian River and Laguna de Santa Rosa monitoring data. 1997-2000.
- NCRWQCB. Unpublished Russian River coliform monitoring data. 1995-2001.
- Newcombe, C., Jensen, J. 1996. Channel Suspended Sediment and Fisheries: A Synthesis for Quantitative Assessment of Risk and Impact. *North American Journal of Fisheries Management*. November 1996.
- Ozaki, V. and C. Jones. 1998. Long-Term Channel Stability Monitoring on Redwood Creek, 1995-1997 Progress Report. Report for Redwood National Park.
- Ozaki, V., M. Madej and D. Anderson. 1998. Summer Water Temperature Monitoring on Redwood Creek. Progress Report. Redwood Creek National and State Park.
- Peterson, N., A. Hendry, and T. Quinn. 1992. Assessment of Cumulative Effects on Salmonid Habitat; Some Suggested Parameters and Target Conditions. Timber/Fish/Wildlife. TFW-F3-92-001.
- Rasmussen, D. 1990. Toxic Substances Monitoring Program Ten Year Summary Report 1978-1987. State Water Resources Control Board.
- Rasmussen, D. 1995. State Mussel Watch Program, 1987-1993 Data Report. Report No. 94-1 WQ. California State Water Resources Control Board.

- Rasmussen, D. 1995. Toxic Substances Monitoring Program 1992-1993 Data Report. State Water Resources Control Board.
- Rasmussen, D. 1997. Toxic Substances Monitoring Program 1994-1995 Data Report. State Water Resources Control Board.
- Rasmussen, D. 2000. State Mussel Watch Program, 1995-1997 Data Report. California State Water Resources Control Board.
- Redwood National and State Park, 2001. Unpublished temperature data.
- Redwood National and State Park. June 6, 2001. Unpublished fish survey data.
- Redwood National Park. 1999 RNSP Redwood Creek Summer Steelhead Trout Survey.
- Ricker, S. 1997. Evaluation of Salmon and Steelhead Spawning Habitat Quality in the Shasta River Basin, 1997. California Department of Fish and Game. Administrative Report No. 97-9.
- Santa Rosa Press Democrat, Empire News. August 4, 2001. Creek Pollution Unsolved.
- Sigler, J., Bjorunn, T., Everest, F. 1984. Effects of Chronic Turbidity on Density and Growth of Steelheads and Coho Salmon. Transactions of the American Fisheries Society, 113:142-150. American Fisheries Society.
- Simpson Timber Co. Timber Harvest Plan 1-00-314-HUM.
- Sonoma County Water Agency. Stream temperature-monitoring data 1997- 1998.
- Sparkman, M. 2001. Redwood Creek Rotary Screw Trap Downstream Migration Study Redwood Valley, Humboldt County, California. April 4 – August 5, 2000.
- Spence, B., Lomnický, G., Hughes, R., Novitzki, R. 1996. An ecosystem approach to salmonid conservation. Report No. TR-4501-96-6057. ManTech Environmental Research Services Corporation, Corvallis, Oregon.
- State Water Resources Control Board. 2001. Toxic Substances Monitoring Program: Preliminary Summary of 1999 Data.
- Sullivan, K. et al. 2000. An Analysis of the Effects of Temperature on Salmonids of the Pacific Northwest with Implications for Selecting Temperature Criteria. Sustainable Ecosystem Institute.
- Trinity Journal. March 19, 2001. Little Mercury from Mining Found in Trinity Waters.
- US EPA. 1998. Redwood Creek Sediment Total Maximum Daily Load. US EPA Region IX.
- US EPA. 2001. Water Quality Criterion for the Protection of Human Health: Methylmercury. Report No. EPA-823-R-01-001.
- Van Kirk, S. 1994. Historical Information on Redwood Creek. Prepared for Redwood National Park.
- Winchester, W., R. Raymond and S. Tickle. 1995. Lost River Watershed Area in California (Tributary to the Klamath River): Water Quality Characteristics. North Coast Regional Water Quality Control Board. September 29, 1995.
- Yurok Tribal Fisheries Program. 2000. Lower Klamath River Sub-Basin Watershed Restoration Plan.

Regional Water Quality Control Board

SAN FRANCISCO BAY REGION (2)



SECTION 303 (d) LIST PROPOSALS

Region 2 Summary of Recommendations

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
San Mateo Coastal Basin/San Pedro Creek	High Coliform Count/Water/REC-1	List	List San Pedro Creek for High Coliform.
San Mateo Coastal Basin/San Vicente Creek	High Coliform Count/Water/REC-1, REC-2	List	List San Vicente Creek for High Coliform.
Central Basin/Stege Marsh	Sediment Toxicity and Benthic Community Effects/Water/Aquatic Life	List: Current application of other regulatory authorities and the effects- based nature of the listing would give this listing a low-priority.	Watch List: No pollutant identified for listing, this is an effects-based listing. The water body is part of the BPTCP list of toxic hot spots, therefore an alternative enforceable program is in place, the Consolidated Cleanup Plan.
Lake Merritt	Trash/Water/Aquatic Habitat and REC uses	Change in listed water body. Change pollutant from Floating Material to Trash.	Change in listed water body. Change pollutant from Floating Material to Trash.
Tomales Bay	Mercury/Water/Aquatic Life	Change in listed water body. Change pollutant from Metals to Mercury.	Change in listed water body. Change pollutant from Metals to Mercury.
Arroyo Las Positas	Diazinon/Water/Aquatic Life (MIGR; SPWN; (COLD); (WARM))	List	List for Diazinon. List this tributary, Arroyo Las Positas (13.5 miles) as part of the Urban Creeks in the San Francisco region. It was an oversight that it was not listed for Diazinon as part of that group of water bodies in 1998.
Arroyo Mocho	Diazinon/Water/Aquatic Life (MIGR; SPWN; (COLD); (WARM))	List	List for Diazinon. List this tributary, Arroyo Mocho (28.5 miles) as part of the Urban Creeks in the San Francisco region. It was an oversight that it was not listed for Diazinon as part of that group of water bodies in 1998.

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
South Bay Basin/Islais Creek	Sediment Toxicity and Benthic Community Effects/Water/Aquatic Life	List: Current application of other regulatory authorities and the effects- based nature of the listing would give this listing a low-priority.	Watch List: No pollutant identified for listing, effects-based listing. The water body is part of the BPTCP list of toxic hot spots, therefore an alternative enforceable program is in place, Consolidated Cleanup Plan.
South Bay Basin/Marina Lagoon (San Mateo Co.)	High Coliform Count/Water/REC-1	List	List Marina Lagoon for High Coliform Counts.
South Bay Basin/Mission Creek	Sediment Toxicity and Benthic Community Effects/Water/Aquatic Life	List: Current application of other regulatory authorities and the effects- based nature of the listing would give this listing a low-priority.	Watch List: No pollutant identified for listing, effects-based listing. The water body is part of the BPTCP list of toxic hot spots, therefore an alternative enforceable program is in place, Consolidated Cleanup Plan.
Central Basin/Pacific Ocean at Baker Beach	High Coliform Count/Water/REC-1	List	List Pacific Ocean at Baker Beach (mouth of Lobos Creek) for High Coliform.
San Mateo Coastal Basin/Pacific Ocean at China Beach	Beach Closures/Water/REC-1	List: Beach Closures were not based on actual monitoring data, they were based on CSO events and rainfall.	List Pacific Ocean at China Beach. This listing is a public health concern.
San Mateo Coastal Basin/Pacific Ocean at Fitzgerald Marine Reserve	High Coliform Count/Water/REC-1	List	List the Pacific Ocean at Fitzgerald Marine Reserve for High Coliform.
San Mateo Coastal Basin/Pacific Ocean at Fitzgerald Marine Reserve	Beach Closures/Water/REC-1	List	List the Pacific Ocean at Fitzgerald Marine Reserve.
San Mateo Coastal Basin/Pacific Ocean at Fort Funston Beach	Beach Closures/Water/REC-1	List: Beach Closures were not based on actual monitoring data, they were based on CSO events and rainfall.	List Pacific Ocean at Fort Funston Beach for beach closures. This listing is a public health concern.
San Mateo Coastal Basin/Pacific Ocean at Ocean Beach	Beach Closures/Water/REC-1	List: Beach Closures were not based on actual monitoring data, they were based on CSO events and rainfall.	List Pacific Ocean at Ocean Beach for beach closures. Listing is a public health concern.

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
San Mateo Coastal Basin/Pacific Ocean at Pacifica State Beach (Linda Mar or San Pedro Beach)	High Coliform Count/Water/REC-1	List	List the Pacific Ocean at Pacifica State Beach for High Coliform.
San Mateo Coastal Basin/Pacific Ocean at Pacifica State Beach (Linda Mar or San Pedro Beach)	Beach Closures/Water/REC-1	List	List Pacific Ocean at Pacific State Beach.
San Mateo Coastal Basin/Pacific Ocean at Pillar Point Beach	High Coliform Count/Water/REC-1	List	List the Pacific Ocean at Pillar Point for High Coliform.
San Mateo Coastal Basin/Pacific Ocean at Pillar Point Beach	Beach Closures/Water/REC-1	List	List Pacific Ocean at Pillar Point Beach.
San Mateo Coastal Basin/Pacific Ocean at Rockaway Beach	High Coliform Count/Water/REC-1	List	List Pacific Ocean at Rockaway Beach for High Coliform.
San Mateo Coastal Basin/Pacific Ocean at San Gregorio Beach	High Coliform Count/Water/REC-1	List	List Pacific Ocean at San Gregorio Beach for High Coliform.
San Mateo Coastal Basin/Pacific Ocean at Sharp Park Beach	Beach Closures/Water/REC-1	List	List Pacific Ocean at Sharp Park Beach for Beach Closures based on High Coliform data.
San Mateo Coastal Basin/Pacific Ocean at Surfer's Beach	Total Coliform/Water/REC-1	List	List Pacific Ocean at Surfer's Beach for High Coliform.
San Mateo Coastal Basin/Pacific Ocean at Surfer's Beach	Beach Closures/Water/REC-1	List	List Pacific Ocean at Surfer's Beach for High Coliform.
San Mateo Coastal Basin/Pacific Ocean at Venice Beach	High Coliform/Water/REC-1	List	List Pacific Ocean at Venice Beach for High Coliform.

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
San Pablo Basin/Petaluma River (tidal portion)	Copper/Water/Aquatic Life (WARM, MIGR)	Exclude from the List. This listing was made in the Draft Staff report. However a memo sent on 2/26/02 made mention that the RB no longer wishes to list the mouth of the Petaluma river for copper. This finding to withdraw the recommendation is based on the modified rationale to list, based on Water Effect Ratio (WER) information. The new information shows the copper levels are below the threshold for exceedance, hence there is no need for the river to be listed in 2002.	Exclude from the List. SWRCB staff agrees with the RB recommendation to withdraw this listing for 2002 due to new WER information.
San Pablo Basin/Petaluma River (tidal portion)	Nickel/Water/Aquatic Life (WARM, MIGR)	List	List the Petaluma River (tidal portion) for Nickel.
San Pablo Basin/Petaluma River	Diazinon/Water/Aquatic life (WARM; MIGR)	List	List the Petaluma River for Diazinon using the CDFG criteria.
Suisun Basin/Peyton Slough	Sediment Toxicity and Benthic Community Effects/Water/Aquatic Life	List: Current application of other regulatory authorities and the effects-based nature of the listing would give this listing a low-priority.	Watch List: No pollutant identified for listing, effects-based listing. The water body is part of the BPTCP list of toxic hot spots, therefore an alternative enforceable program is in place, Consolidated Cleanup Plan.
San Mateo Coastal Basin/Pomponino Creek	High Coliform Count/Water/REC-1	List	List Pomponino Creek for High Coliform.
San Mateo Coastal Basin/San Gregorio Creek	High Coliform Count/Water/REC-1	List	List San Gregorio Creek for High Coliform.
San Pablo Basin/San Pablo Reservoir	Mercury/Water/Fish Consumption	List	List the San Pablo Reservoir for Mercury.

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Walker Creek	Mercury/Water/Aquatic Life	Change in listed water body. Change pollutant from Metals to Mercury.	Change in listed water body. Change pollutant from Metals to Mercury.
Arroyo Hondo	Diazinon/Water/Aquatic Life and Drinking water uses	Delist	Delist this water body from the 1998 list. This body was listed as a mistake and never should have been listed as an Urban Creek.
Suisun/San Pablo Basins/Carquinez Strait	Copper/Water/Aquatic Life	Delist and place on the Watch List.	Delist and place on the Watch List.
Suisun/San Pablo Basins/Carquinez Strait	Nickel/Water/Aquatic Life	Delist and place on the Watch List.	Delist and place on the Watch List.
Suisun Basin/Sacramento-San Joaquin Delta	Copper/Water/Aquatic Life	Delist and place on the Watch List.	Delist and place on the Watch List.
Suisun Basin/Sacramento-San Joaquin Delta	Nickel/Water/Aquatic Life	Delist and place on the Watch List.	Delist and place on the Watch List.
Central Basin/San Francisco Bay, Central	Copper/Water/Aquatic Life	Delist and place on the Watch List.	Delist and place on the Watch List.
South Bay Basin/San Francisco Bay, Lower	Copper/Water/Aquatic Life	Delist and place on the Watch List.	Delist and place on the Watch List.
South Bay Basin/San Francisco Bay, Lower	Nickel/Water/Aquatic Life	Delist and place on the Watch List.	Delist and place on the Watch List.
Santa Clara Basin/San Francisco Bay, South	Copper/Water/Aquatic Life	Delist according to the new Site Specific Objectives coming in Spring 2002, and place on the Watch List.	Maintain Listing. The Site Specific Objectives, that would allow this water body to be de-listed, have yet to be approved. Using the CTR standard, 35% of the samples still exceed.
Santa Clara Basin/San Francisco Bay, South	Nickel/Water/Aquatic Life	Delist according to the new Site Specific Objectives coming in Spring 2002, and place on the Watch List.	Delist and place on the Watch List. Using the current CTR standards only 1% of 604 samples still exceed.
San Pablo Basin/San Pablo Bay	Copper/Water/Aquatic Life	Delist and place on the Watch List.	Delist and place on the Watch List.
San Pablo Basin/San Pablo Bay	Nickel/Water/Aquatic Life	Delist and place on the Watch List.	Delist and place on the Watch List.
Suisun Basin/Suisun Bay	Copper/Water/Aquatic Life	Delist and place on the Watch List.	Delist and place on the Watch List.

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Suisun Basin/Suisun Bay	Nickel/Water/Aquatic Life	Delist and place on the Watch List.	Delist and place on the Watch List.

Region 2

San Mateo Coastal Basin/San Pedro Creek

Water Body	San Mateo Coastal Basin/San Pedro Creek
Stressor/Media/Beneficial Use	High Coliform Count/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring/Surfrider data/lab QA/QC used. USEPA Region IX Laboratory data used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	High Coliform Counts are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Basin Plan used
Water Body-specific Information	Data = 3 years (98-2000), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Data = 99 samples for total coliform, 6 samples for fecal coliform, for Basin Plan data set. 41 samples for total coliform, 23 samples for fecal coliform for Ocean Plan data set. Basin Plan objectives violated in 13% samples for total coliform, 98% samples for total coliform median, and 100% violated for samples of fecal coliform geometric mean and fecal coliform in dry weather months. Ocean Plan objectives violated in 90% of the samples for total coliform, 96% of samples for fecal coliform geometric mean, and 100% fecal coliform in dry weather months. E. coli data show 67% samples for total coliform maximum designated beach violated the Basin Plan Objectives. Basin Plan objectives violated in 63% samples for E. coli maximum moderately-used beach, violated in 57% samples for maximum lightly-used beach and violated in 57% samples for maximum infrequently-used beach, in dry weather months.
Spatial representation	Data was collected at 15 sampling sites.
Temporal representation	Data was collected, from 5/26/98-8/14/00, and 4/24/00-11/13/00.
Data type	Numerical data
Use of standard method	California Office of Health Hazard Assessment and Contra Costa County Health Services methods.
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers, Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List San Pedro Creek for High Coliform.

Region 2

San Mateo Coastal Basin/San Vicente Creek

Water Body	San Mateo Coastal Basin/San Vicente Creek
Stressor/Media/Beneficial Use	High Coliform Count/Water/REC-1, REC-2
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	High Coliform Counts linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Basin Plan used
Water Body-specific Information	Data = 2 years (98-2000), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Data = 38 samples for total coliform, 22 samples for fecal coliform, and 6 samples for E. coli. E. coli data show 100% violations of the Basin Plan Objectives for total coliform maximum at all beaches in dry-weather months. Basin Plan violated in 3% of samples for total coliform maximum, 100% samples violated for total coliform median, 100% samples violated for fecal coliform geometric mean and 100% samples violated for fecal coliform (REC-1). Basin Plan objectives violated in 32% of samples for fecal coliform mean, and 23% violated samples for fecal coliform (REC-2) in dry-weather months.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 10/6/98-9/26/00.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List San Vicente Creek for High Coliform.

Region 2

Central Basin/Stege Marsh

Water Body	Central Basin/Stege Marsh
Stressor/Media/Beneficial Use	Sediment Toxicity and Benthic Community Effects/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used BPTCP QA/QC. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Sediment Toxicity linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Toxicity test results (and ERM quotient) for sediment used.
Water Body-specific Information	Data = 2 months (1997), Data measured at the site, Environmental Conditions considered at site.
Data used to assess water quality	Elevated sediment chemistry (ERM quotient) 0-1% amphipod Survival, 5/5 tests, significant urchin toxicity, 3/3 samples, Relative benthic index = 0.00 (2 benthic samples)
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 10/97-12/97.
Data type	Numerical data
Use of standard method	BPTCP methods
Potential Source(s) of Pollutant	Industrial Point Sources
Alternative Enforceable Program	Consolidated Cleanup Plan (BPTCP)
RWQCB Recommendation	List: Current application of other regulatory authorities and the effects-based nature of the listing would give this listing a low-priority.
SWRCB Staff Recommendation	Watch List: No pollutant identified for listing, this is an effects-based listing. The water body is part of the BPTCP list of toxic hot spots, therefore an alternative enforceable program is in place, the Consolidated Cleanup Plan.

Region 2

Lake Merritt

Water Body	Lake Merritt
Stressor/Media/Beneficial Use	Trash/Water/Aquatic Habitat and REC uses
Data quality assessment. Extent to which data quality requirements met.	QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Trash linked to Aquatic Habitat and REC uses.
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	Data was spatially collected.
Temporal representation	Data was temporally collected.
Data type	Numerical data
Use of standard method	N/A
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers
Alternative Enforceable Program	N/A
RWQCB Recommendation	Change in listed water body. Change pollutant from Floating Material to Trash.
SWRCB Staff Recommendation	Change in listed water body. Change pollutant from Floating Material to Trash.

Region 2

Tomales Bay

Water Body	Tomales Bay
Stressor/Media/Beneficial Use	Mercury/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Mercury linked to Aquatic life.
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	Data was spatially collected.
Temporal representation	Data was temporally collected.
Data type	Numerical data
Use of standard method	N/A
Potential Source(s) of Pollutant	Mine Tailings
Alternative Enforceable Program	N/A
RWQCB Recommendation	Change in listed water body. Change pollutant from Metals to Mercury.
SWRCB Staff Recommendation	Change in listed water body. Change pollutant from Metals to Mercury.

Region 2

Arroyo Las Positas

Water Body	Arroyo Las Positas
Stressor/Media/Beneficial Use	Diazinon/Water/Aquatic Life (MIGR; SPWN; (COLD); (WARM))
Data quality assessment. Extent to which data quality requirements met.	QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Diazinon linked to Aquatic Life Uses.
Utility of measure for judging if standards or uses are not attained	WQO, Basin Plan
Water Body-specific Information	Water Body was added to the Basin Plan in 1995 as part of the Urban Creeks. It should have been listed in 1998, along with the other Urban Creeks for Diazinon.
Data used to assess water quality	List based on the criteria that was used to list Urban creeks in 1998. This water body should have been listed for Diazinon then, however due to an oversight by staff it was left off the 1998 list and should be placed on the 2002 list.
Spatial representation	Data was collected by Regional Board field reconnaissance in 2001.
Temporal representation	Data was collected by Regional Board field reconnaissance in 2001.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List for Diazinon. List this tributary, Arroyo Las Positas (13.5 miles) as part of the Urban Creeks in the San Francisco region. It was an oversight that it was not listed for Diazinon as part of that group of water bodies in 1998.

Region 2

Arroyo Mocho

Water Body	Arroyo Mocho
Stressor/Media/Beneficial Use	Diazinon/Water/Aquatic Life (MIGR; SPWN; (COLD); (WARM))
Data quality assessment. Extent to which data quality requirements met.	QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Diazinon linked to Aquatic Life Uses.
Utility of measure for judging if standards or uses are not attained	WQO, Basin Plan
Water Body-specific Information	Water Body was added to the Basin Plan in 1995 as part of the Urban Creeks. It should have been listed in 1998, along with the other Urban Creeks for Diazinon.
Data used to assess water quality	List based on the criteria that was used to list Urban creeks in 1998. This water body should have been listed for Diazinon then, however due to an oversight by staff it was left off the 1998 list and should be placed on the 2002 list.
Spatial representation	Data was collected by Regional Board field reconnaissance in 2001.
Temporal representation	Data was collected by Regional Board field reconnaissance in 2001.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List for Diazinon. List this tributary, Arroyo Mocho (28.5 miles) as part of the Urban Creeks in the San Francisco region. It was an oversight that it was not listed for Diazinon as part of that group of water bodies in 1998.

Region 2

South Bay Basin/Islais Creek

Water Body	South Bay Basin/Islais Creek
Stressor/Media/Beneficial Use	Sediment Toxicity and Benthic Community Effects/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used BPTCP QA/QC. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Sediment Toxicity linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Toxicity test results (and ERM quotient) for sediment used. WQO, Basin Plan.
Water Body-specific Information	Data = 3 years (94-97), Data measured at the site, Environmental Conditions considered at site.
Data used to assess water quality	Elevated sediment chemistry (ERM quotient), Significant amphipod toxicity in 3/4 samples (75%), Significant urchin toxicity in 4/5 samples (80%), Relative benthic index = 0.22, 0.25, 0.43 (3 benthic gradient samples).
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 9/94- 9/97.
Data type	Numerical data
Use of standard method	BPTCP methods
Potential Source(s) of Pollutant	Combined Sewer Overflows/Industrial Point Sources
Alternative Enforceable Program	Consolidated Cleanup Plan (BPTCP)
RWQCB Recommendation	List: Current application of other regulatory authorities and the effects-based nature of the listing would give this listing a low-priority.
SWRCB Staff Recommendation	Watch List: No pollutant identified for listing, effects-based listing. The water body is part of the BPTCP list of toxic hot spots, therefore an alternative enforceable program is in place, Consolidated Cleanup Plan.

Region 2

South Bay Basin/Marina Lagoon (San Mateo Co.)

Water Body	South Bay Basin/Marina Lagoon (San Mateo Co.)
Stressor/Media/Beneficial Use	High Coliform Count/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	High Coliform Counts are linked to REC-1 uses.
Utility of measure for judging if standards or uses are not attained	Basin Plan objectives and Ocean Plan water contact standards used.
Water Body-specific Information	Data = 2 years (98-2000), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	192 samples for total coliform there were Basin Plan Objectives violated in 1% of the samples. Basin Plan Objectives violated in 50% of samples for total coliform median. Basin Plan Objectives violated in 10% of samples for fecal coliform geometric mean. Basin Plan Objectives violated in 33% of samples for fecal coliform 90th percentile in dry weather months. Basin Plan Objectives violated for E. coli data in 31% of the samples.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected, from 10/7/98-10/31/00.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers, Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List Marina Lagoon for High Coliform Counts.

Region 2

South Bay Basin/Mission Creek

Water Body	South Bay Basin/Mission Creek
Stressor/Media/Beneficial Use	Sediment Toxicity and Benthic Community Effects/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used BPTCP QA/QC. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Sediment Toxicity linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Toxicity test results (and ERM quotient) for sediment used.
Water Body-specific Information	Data = 2 years (95-97), Data measured at the site, Environmental Conditions considered at site.
Data used to assess water quality	Elevated sediment chemistry (ERM quotient) significant amphipod toxicity, 3/5 tests (60%) significant urchin toxicity, 3/5 samples (60%), relative benthic index = 0.00, 0.34, and 0.65 (3 benthic gradient samples).
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected, from 5/95-4/97.
Data type	Numerical data
Use of standard method	BPTCP methods
Potential Source(s) of Pollutant	Combined Sewer Overflows/Industrial Point Sources
Alternative Enforceable Program	Consolidated Cleanup Plan (BPTCP)
RWQCB Recommendation	List: Current application of other regulatory authorities and the effects-based nature of the listing would give this listing a low-priority.
SWRCB Staff Recommendation	Watch List: No pollutant identified for listing, effects-based listing. The water body is part of the BPTCP list of toxic hot spots, therefore an alternative enforceable program is in place, Consolidated Cleanup Plan.

Region 2

Central Basin/Pacific Ocean at Baker Beach

Water Body	Central Basin/Pacific Ocean at Baker Beach
Stressor/Media/Beneficial Use	High Coliform Count/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	USEPA Storet data. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Total and fecal coliform linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Ocean Plan used
Water Body-specific Information	Data = 11 months (7/97-5/98), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Data = 164 samples total. Ocean Plan objectives violated in 9.7% of the samples for total coliform in dry-weather months.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected, from 7/1/97-5/29/98.
Data type	Numerical data
Use of standard method	USEPA methods
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers, Combined Sewer Overflows
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List Pacific Ocean at Baker Beach (mouth of Lobos Creek) for High Coliform.

Region 2

San Mateo Coastal Basin/Pacific Ocean at China Beach

Water Body	San Mateo Coastal Basin/Pacific Ocean at China Beach
Stressor/Media/Beneficial Use	Beach Closures/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Beach Closures linked to REC-1.
Utility of measure for judging if standards or uses are not attained	USEPA Guidance (1996)
Water Body-specific Information	Data = 2000 Beach closure data. Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	The beach closures were based on rainfall and combined sewer overflow events. Percent exceedances were calculated for the maximum, median, and geomean Basin Plan and Ocean Plan Objectives. There were exceedances of the objectives, and consistent with USEPA guidance (1996), the beach is recommended to be listed.
Spatial representation	Data was spatially collected.
Temporal representation	Data was temporally collected.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers, Combined Sewer Overflows
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List: Beach Closures were not based on actual monitoring data, they were based on CSO events and rainfall.
SWRCB Staff Recommendation	List Pacific Ocean at China Beach. This listing is a public health concern.

Region 2

San Mateo Coastal Basin/Pacific Ocean at Fitzgerald Marine Reserve

Water Body	San Mateo Coastal Basin/Pacific Ocean at Fitzgerald Marine Reserve
Stressor/Media/Beneficial Use	High Coliform Count/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Total and Fecal Coliform linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Ocean Plan and Basin Plan used
Water Body-specific Information	Data = 3 years (5/98-10/00), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Data = 49 samples total. Ocean Plan Objectives violated in 43% of the samples for total coliform in dry-weather months. Basin Plan Objectives were violated in 16% of samples for log mean, and in 73% of samples in dry weather months.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected, from 5/98-10/98, 5/99-10/99 and 5/00-10/00.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List the Pacific Ocean at Fitzgerald Marine Reserve for High Coliform.

Region 2

San Mateo Coastal Basin/Pacific Ocean at Fitzgerald Marine Reserve

Water Body	San Mateo Coastal Basin/Pacific Ocean at Fitzgerald Marine Reserve
Stressor/Media/Beneficial Use	Beach Closures/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Basin Plan and Ocean Plan used
Water Body-specific Information	Data = 2000 Beach closure data. Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	The beach closures were based on high coliform counts. Percent exceedances were calculated for the maximum, median, and geometric mean Basin Plan and Ocean Plan Objectives. There were exceedances of the objectives, and consistent with USEPA guidance (1996), the beach is recommended to be listed.
Spatial representation	Data was spatially collected.
Temporal representation	Data was temporally collected.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List the Pacific Ocean at Fitzgerald Marine Reserve.

Region 2

San Mateo Coastal Basin/Pacific Ocean at Fort Funston Beach

Water Body	San Mateo Coastal Basin/Pacific Ocean at Fort Funston Beach
Stressor/Media/Beneficial Use	Beach Closures/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Beach Closures linked to REC-1.
Utility of measure for judging if standards or uses are not attained	USEPA Guidance (1996)
Water Body-specific Information	Data = 2000 Beach closure data.
Data used to assess water quality	The beach closures were based on rainfall and combined sewer overflow events. Percent exceedances were calculated for the maximum, median, and geomean Basin Plan and Ocean Plan Objectives. There were exceedances of the objectives, and consistent with USEPA guidance (1996), the beach is recommended to be listed.
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers, Combined Sewer Overflows
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List: Beach Closures were not based on actual monitoring data, they were based on CSO events and rainfall.
SWRCB Staff Recommendation	List Pacific Ocean at Fort Funston Beach for beach closures. This listing is a public health concern.

Region 2

San Mateo Coastal Basin/Pacific Ocean at Ocean Beach

Water Body	San Mateo Coastal Basin/Pacific Ocean at Ocean Beach
Stressor/Media/Beneficial Use	Beach Closures/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Beach Closures linked to REC-1.
Utility of measure for judging if standards or uses are not attained	USEPA Guidance (1996)
Water Body-specific Information	Data = 2000 Beach closure data.
Data used to assess water quality	The beach closures were based on rainfall and combined sewer overflow events. The closures weren't based on monitoring data. Consistent with USEPA guidance (1996) for beach closures, the beach is recommended to be listed.
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers, Combined Sewer Overflows
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List: Beach Closures were not based on actual monitoring data, they were based on CSO events and rainfall.
SWRCB Staff Recommendation	List Pacific Ocean at Ocean Beach for beach closures. Listing is a public health concern.

Region 2

San Mateo Coastal Basin/Pacific Ocean at Pacifica State Beach (Linda

Water Body	San Mateo Coastal Basin/Pacific Ocean at Pacifica State Beach (Linda Mar or San Pedro Beach)
Stressor/Media/Beneficial Use	High Coliform Count/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Total and Fecal Coliform linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Ocean Plan used
Water Body-specific Information	Data = 3 years (1/98-1/01), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Data = 36 wet weather samples. Ocean Plan Objectives violated in 22% of samples for total coliform in wet-weather months. This listing is driven by wet weather only. Ocean Plan objectives violated in 19% of samples for fecal coliform. No exceedances between May and October. Wet weather exceedances.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 1/98-1/01.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers, Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List the Pacific Ocean at Pacifica State Beach for High Coliform.

Region 2

San Mateo Coastal Basin/Pacific Ocean at Pacifica State Beach (Linda)

Water Body	San Mateo Coastal Basin/Pacific Ocean at Pacifica State Beach (Linda Mar or San Pedro Beach)
Stressor/Media/Beneficial Use	Beach Closures/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Ocean Plan used
Water Body-specific Information	Data = 2000 Beach closure data. Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	The beach closures were based on high coliform counts. Percent exceedances were calculated for the maximum, median, and geometric mean Basin Plan and Ocean Plan Objectives. There were exceedances of the objectives, and consistent with USEPA guidance (1996), the beach is recommended to be listed.
Spatial representation	Data was spatially collected.
Temporal representation	Data was temporally collected.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers, Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List Pacific Ocean at Pacific State Beach.

Region 2

San Mateo Coastal Basin/Pacific Ocean at Pillar Point Beach

Water Body	San Mateo Coastal Basin/Pacific Ocean at Pillar Point Beach
Stressor/Media/Beneficial Use	High Coliform Count/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Total and Fecal Coliform linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Ocean Plan used
Water Body-specific Information	Data = 3 years (5/98-10/00), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Data = 143 samples total. Ocean Plan objectives violated in 40% of samples for total coliform in dry-weather months. Ocean Plan objectives violated in 9% of the samples for log mean and 35% of the samples for fecal coliform in dry weather months.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected, from 5/98-10/98, 5/99-10/99 and 5/00-10/00.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List the Pacific Ocean at Pillar Point for High Coliform.

Region 2

San Mateo Coastal Basin/Pacific Ocean at Pillar Point Beach

Water Body	San Mateo Coastal Basin/Pacific Ocean at Pillar Point Beach
Stressor/Media/Beneficial Use	Beach Closures/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Ocean Plan used
Water Body-specific Information	Data = 2000 Beach closure data. Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	The beach closures were based on high coliform counts. Percent exceedances were calculated for the maximum, median, and geometric mean Basin Plan and Ocean Plan Objectives. There were exceedances of the objectives, and consistent with USEPA guidance (1996), the beach is recommended to be listed.
Spatial representation	Data was spatially collected.
Temporal representation	Data was temporally collected.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List Pacific Ocean at Pillar Point Beach.

Region 2

San Mateo Coastal Basin/Pacific Ocean at Rockaway Beach

Water Body	San Mateo Coastal Basin/Pacific Ocean at Rockaway Beach
Stressor/Media/Beneficial Use	High Coliform Count/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Total and Fecal Coliform linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Ocean Plan used
Water Body-specific Information	Data = 1 year (2000), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Data = 23 samples total. Ocean Plan objectives violated in 13% of samples for total coliform in dry-weather months.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected, from 5/00-10/00.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers, Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List Pacific Ocean at Rockaway Beach for High Coliform.

Region 2

San Mateo Coastal Basin/Pacific Ocean at San Gregorio Beach

Water Body	San Mateo Coastal Basin/Pacific Ocean at San Gregorio Beach
Stressor/Media/Beneficial Use	High Coliform Count/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Total and Fecal Coliform linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Ocean Plan used
Water Body-specific Information	Data = 3 years (98-2001), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Data = 56 samples for total coliform, 23 samples for fecal coliform. Ocean Plan objectives violated in 5% of samples for total coliform in combined dry- and wet-weather months. Ocean Plan objectives violated in 8% samples for fecal coliform, wet-weather only. No exceedances between May and October. Listing driven by wet weather exceedances.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected, from 9/98-3/01.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List Pacific Ocean at San Gregorio Beach for High Coliform.

Region 2

San Mateo Coastal Basin/Pacific Ocean at Sharp Park Beach

Water Body	San Mateo Coastal Basin/Pacific Ocean at Sharp Park Beach
Stressor/Media/Beneficial Use	Beach Closures/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Beach Closures linked to REC-1.
Utility of measure for judging if standards or uses are not attained	USEPA Guidance (1996)
Water Body-specific Information	Data = 2000 Beach closure data. Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	The beach closures were based on high coliform counts. Percent exceedances were calculated for the maximum, median, and geometric Basin Plan and Ocean Plan Objectives. There were exceedances of the objectives, and consistent with USEPA guidance (1996), the beach is recommended to be listed.
Spatial representation	Data was spatially collected.
Temporal representation	Data was temporally collected.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List Pacific Ocean at Sharp Park Beach for Beach Closures based on High Coliform data.

Region 2

San Mateo Coastal Basin/Pacific Ocean at Surfer's Beach

Water Body	San Mateo Coastal Basin/Pacific Ocean at Surfer's Beach
Stressor/Media/Beneficial Use	Total Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Total and Fecal Coliform linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Ocean Plan used
Water Body-specific Information	Data = 4 years (97-2001), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Data = 134 total coliform samples, 126 fecal coliform samples. Ocean Plan objectives violated in 5% samples for total coliform in combined dry- and wet-weather months. Ocean Plan objectives violated in 9% of samples for fecal coliform in combined wet-dry weather. No exceedances between May and October. Listing driven by wet weather only.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected, from 7/97-1/01.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List Pacific Ocean at Surfer's Beach for High Coliform.

Region 2

San Mateo Coastal Basin/Pacific Ocean at Surfer's Beach

Water Body	San Mateo Coastal Basin/Pacific Ocean at Surfer's Beach
Stressor/Media/Beneficial Use	Beach Closures/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Ocean Plan used
Water Body-specific Information	Data = 2000 Beach closure data. Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	The beach closures were based on high coliform counts. Percent exceedances were calculated for the maximum, median, and geometric Basin Plan and Ocean Plan Objectives. There were exceedances of the objectives, and consistent with USEPA guidance (1996), the beach is recommended to be listed.
Spatial representation	Data was spatially collected.
Temporal representation	Data was temporally collected.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List Pacific Ocean at Surfer's Beach for High Coliform.

Region 2

San Mateo Coastal Basin/Pacific Ocean at Venice Beach

Water Body	San Mateo Coastal Basin/Pacific Ocean at Venice Beach
Stressor/Media/Beneficial Use	High Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Ocean Plan used
Water Body-specific Information	Data = 2 years (98-2000), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Data = 30 samples. Ocean Plan violated in 13% of samples for total coliform in dry-weather months.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 9/28/98-10/31/00.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List Pacific Ocean at Venice Beach for High Coliform.

Region 2

San Pablo Basin/Petaluma River (tidal portion)

Water Body	San Pablo Basin/Petaluma River (tidal portion)
Stressor/Media/Beneficial Use	Copper/Water/Aquatic Life (WARM, MIGR)
Data quality assessment. Extent to which data quality requirements met.	Used Regional Monitoring Program (RMP) and Special TMDL study QA/QC. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Copper linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	WQO Basin Plan used
Water Body-specific Information	Data = 8 years (93-2001), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	There were 15 exceedances since 1993. New information sent to the SWRCB in a memo on 2/26/02 changes this finding. This finding is based on the modified rationale to list, based on Water Effect Ratio (WER) information. The new information shows the copper levels are below the threshold for exceedance, hence there is no need for the river to be listed in 2002.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 3/93-4/01.
Data type	Numerical data
Use of standard method	Regional Monitoring Program (RMP) methods.
Potential Source(s) of Pollutant	Municipal Point Sources, Urban Runoff/Storm Sewers, Atmospheric Deposition
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Exclude from the List. This listing was made in the Draft Staff report. However a memo sent on 2/26/02 made mention that the RB no longer wishes to list the mouth of the Petaluma river for copper. This finding to withdraw the recommendation is based on the modified rationale to list, based on Water Effect Ratio (WER) information. The new information shows the copper levels are below the threshold for exceedance, hence there is no need for the river to be listed in 2002.
SWRCB Staff Recommendation	Exclude from the List. SWRCB staff agrees with the RB recommendation to withdraw this listing for 2002 due to new WER information.

Region 2

San Pablo Basin/Petaluma River (tidal portion)

Water Body	San Pablo Basin/Petaluma River (tidal portion)
Stressor/Media/Beneficial Use	Nickel/Water/Aquatic Life (WARM, MIGR)
Data quality assessment. Extent to which data quality requirements met.	Used Regional Monitoring Program (RMP) and Special TMDL study QA/QC. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Nickel linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	CTR, WQO Basin Plan
Water Body-specific Information	Data = 8 years (93-2001), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Using the CTR , there have been 4 exceedances since 1993, two were twice the Basin Plan Objective amounts.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 3/93-4/01.
Data type	Numerical data
Use of standard method	Regional Monitoring Program (RMP) methods.
Potential Source(s) of Pollutant	Municipal Point Sources, Urban Runoff/Storm Sewers, Atmospheric Deposition
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List the Petaluma River (tidal portion) for Nickel.

Region 2

San Pablo Basin/Petaluma River

Water Body	San Pablo Basin/Petaluma River
Stressor/Media/Beneficial Use	Diazinon/Water/Aquatic life (WARM; MIGR)
Data quality assessment. Extent to which data quality requirements met.	Abelli-Amen, Petaluma Tree Planters data used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Diazinon linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	CDFG Acute Criterion , WQO
Water Body-specific Information	Data = 4 months (7/98-11/98), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Data = 36 samples total. CDFG acute criteria for Diazinon was violated in 33% of the samples. The criteria was used to determine the exceedance of the WQO.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected, from 7/98-11/98.
Data type	Numerical data
Use of standard method	Abelli-Amen, Petaluma Tree Planters, Regional Board methods.
Potential Source(s) of Pollutant	Urban Runoff/Storm Sewers
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List the Petaluma River for Diazinon using the CDFG criteria.

Region 2

Suisun Basin/Peyton Slough

Water Body	Suisun Basin/Peyton Slough
Stressor/Media/Beneficial Use	Sediment Toxicity and Benthic Community Effects/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used BPTCP QA/QC. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Sediment Toxicity linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Toxicity test results (and ERM quotient) for sediment used.
Water Body-specific Information	Data = 2 years (95-97), Data measured at the site, Environmental Conditions considered at site.
Data used to assess water quality	Elevated sediment chemistry (ERM quotient), significant amphipod toxicity in 4/5 samples (80%), significant urchin toxicity--4/5 samples (80%), relative benthic index = 0.36, 0.51, 0.34 (3 benthic gradient samples).
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected, from 5/95-4/97.
Data type	Numerical data
Use of standard method	BPTCP methods
Potential Source(s) of Pollutant	Industrial Point Sources
Alternative Enforceable Program	Consolidated Cleanup Plan (BPTCP)
RWQCB Recommendation	List: Current application of other regulatory authorities and the effects-based nature of the listing would give this listing a low-priority.
SWRCB Staff Recommendation	Watch List: No pollutant identified for listing, effects-based listing. The water body is part of the BPTCP list of toxic hot spots, therefore an alternative enforceable program is in place, Consolidated Cleanup Plan.

Region 2

San Mateo Coastal Basin/Pomponino Creek

Water Body	San Mateo Coastal Basin/Pomponino Creek
Stressor/Media/Beneficial Use	High Coliform Count/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	High Coliform Counts are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Basin Plan used
Water Body-specific Information	Data = 5 months (2000), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Data = 44 samples for total coliform, 23 samples for fecal coliform, 21 E. coli samples. Basin Plan objectives violated in 64% samples for total coliform median. Basin Plan objectives violated in 3% samples for fecal coliform geomean. Basin Plan Objectives violated in 17% samples for fecal coliform in dry-weather months. E. coli data showed Basin Plan objectives violated in 5% samples for all the beach uses in dry weather months.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 6/12/00-10/31/00.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List Pomponino Creek for High Coliform.

Region 2

San Mateo Coastal Basin/San Gregorio Creek

Water Body	San Mateo Coastal Basin/San Gregorio Creek
Stressor/Media/Beneficial Use	High Coliform Count/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab QA/QC used. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	High Coliform Counts are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO Basin Plan used
Water Body-specific Information	Data = 2 years (98-2000), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	Data = 56 samples for total coliform , 23 samples for fecal coliform, 22 samples for E. coli. Basin Plan objectives violated in 2% samples for total coliform maximum Objectives violated in 73% samples for total coliform median. Basin Plan objectives violated in 26% samples for fecal coliform geomean. Objectives violated in 43% samples for fecal coliform in dry-weather months. E. coli data show 45% samples for total coliform maximum designated beach violated the Basin Plan Objectives. Basin Plan objectives violated in 45% samples for E. coli maximum moderately-used beach, violated in 18% samples for maximum lightly-used beach and violated in 45% samples for maximum infrequently-used beach, in dry weather months.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 9/28/98-10/31/00.
Data type	Numerical data
Use of standard method	San Mateo County Environmental Health Dept. Beach Monitoring, Surfrider data/lab methods, Regional Board.
Potential Source(s) of Pollutant	Nonpoint Source
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List San Gregorio Creek for High Coliform.

Region 2

San Pablo Basin/San Pablo Reservoir

Water Body	San Pablo Basin/San Pablo Reservoir
Stressor/Media/Beneficial Use	Mercury/Water/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	Used California Office of Health Hazard Assessment and Contra Costa County Health Services data. QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Mercury linked to fish consumption
Utility of measure for judging if standards or uses are not attained	Interim fish advisory issued Feb. 2000, USEPA screening criteria (0.3 ppm), WQO
Water Body-specific Information	Data = 1 month (11/97), Data measured at the site, Species or Indicator present at site, Environmental Conditions considered at site.
Data used to assess water quality	5 out of 12 composite fish-tissue samples exceed the USEPA criteria. All of the fish were trophic Level 4 samples (large mouth bass). There was also a fish advisory issued in February 2000.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected during 11/97.
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Atmospheric Deposition
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List the San Pablo Reservoir for Mercury.

Region 2

Walker Creek

Water Body	Walker Creek
Stressor/Media/Beneficial Use	Mercury/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QA/QC requirement. Data evaluation was based on USEPA guidelines for 305(b) reports, that uses a hierarchy of water quality data levels. Only data of higher overall level of information (Levels 3 and 4) were used to list a water body.
Linkage between measurement endpoint and beneficial use or standard	Mercury linked to Aquatic life.
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	Data was spatially collected.
Temporal representation	Data was temporally collected.
Data type	Numerical data
Use of standard method	N/A
Potential Source(s) of Pollutant	Surface Mining, Mine Tailings
Alternative Enforceable Program	N/A
RWQCB Recommendation	Change in listed water body. Change pollutant from Metals to Mercury.
SWRCB Staff Recommendation	Change in listed water body. Change pollutant from Metals to Mercury.

Region 2

Arroyo Hondo

Water Body	Arroyo Hondo
Stressor/Media/Beneficial Use	Diazinon/Water/Aquatic Life and Drinking water uses
Data quality assessment. Extent to which data quality requirements met.	QA/QC requirement. Only data of higher overall level of information were used.
Linkage between measurement endpoint and beneficial use or standard	Diazinon linked to Aquatic Life and Drinking water.
Utility of measure for judging if standards or uses are not attained	WQO, Basin Plan
Water Body-specific Information	This water body was erroneously added to the 1998 as part of the Urban creek listing for Diazinon.
Data used to assess water quality	Listing Factor 3 mistake made in 1998 List. This water body was found to be not part of the Urban Creek tributaries listed on the 1998 list... this creek isn't an urban creek at all. Field Reconnaissance in 2001, found this mistake.
Spatial representation	Data was spatially collected.
Temporal representation	Data was temporally collected.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	N/A
RWQCB Recommendation	Delist
SWRCB Staff Recommendation	Delist this water body from the 1998 list. This body was listed as a mistake and never should have been listed as an Urban Creek.

Region 2

Suisun/San Pablo Basins/Carquinez Strait

Water Body	Suisun/San Pablo Basins/Carquinez Strait
Stressor/Media/Beneficial Use	Copper/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used Regional Monitoring Program (RMP) and Special TMDL study QA/QC. QA/QC requirement. Only data of higher overall level information used.
Linkage between measurement endpoint and beneficial use or standard	Copper linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	WQO Basin Plan used
Water Body-specific Information	Data = 8 years (93-2001)
Data used to assess water quality	Data = 466 samples total collectively for S.F. Bay segments North of the Dumbarton Bridge. Since March 1993, there have been 6 exceedances, and there have been no exceedances of the objective since 1997.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 3/93-4/01.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	
Alternative Enforceable Program	
RWQCB Recommendation	Delist and place on the Watch List.
SWRCB Staff Recommendation	Delist and place on the Watch List.

Region 2

Suisun/San Pablo Basins/Carquinez Strait

Water Body	Suisun/San Pablo Basins/Carquinez Strait
Stressor/Media/Beneficial Use	Nickel/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used Regional Monitoring Program (RMP) and Special TMDL study QA/QC. QA/QC requirement. Only data of higher overall level information used.
Linkage between measurement endpoint and beneficial use or standard	Nickel linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	California Toxics Rule (CTR) levels used.
Water Body-specific Information	Data = 8 years (93-2001)
Data used to assess water quality	Data = 463 samples total collectively for S.F. Bay segments North of the Dumbarton Bridge. Using the CTR standard, there have been no exceedances since March of 1993.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 3/93-4/01.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist and place on the Watch List.
SWRCB Staff Recommendation	Delist and place on the Watch List.

Region 2

Suisun Basin/Sacramento-San Joaquin Delta

Water Body	Suisun Basin/Sacramento-San Joaquin Delta
Stressor/Media/Beneficial Use	Copper/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used Regional Monitoring Program (RMP) and Special TMDL study QA/QC. QA/QC requirement. Only data of higher overall level information used.
Linkage between measurement endpoint and beneficial use or standard	Copper linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	WQO Basin Plan used
Water Body-specific Information	Data = 8 years (93-2001)
Data used to assess water quality	Data = 466 samples total collectively for S.F. Bay segments North of the Dumbarton Bridge. Since March 1993, there have been 6 exceedances, and there have been no exceedances of the objective since 1997.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 3/93-4/01.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist and place on the Watch List.
SWRCB Staff Recommendation	Delist and place on the Watch List.

Region 2

Suisun Basin/Sacramento-San Joaquin Delta

Water Body	Suisun Basin/Sacramento-San Joaquin Delta
Stressor/Media/Beneficial Use	Nickel/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used Regional Monitoring Program (RMP) and Special TMDL study QA/QC. QA/QC requirement. Only data of higher overall level information used.
Linkage between measurement endpoint and beneficial use or standard	Nickel linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	California Toxics Rule (CTR) levels used
Water Body-specific Information	Data = 8 years (93-2001)
Data used to assess water quality	Data = 463 samples total collectively for S.F. Bay segments North of the Dumbarton Bridge. Using the CTR standard, there have been no exceedances since March of 1993.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 3/93-4/01.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist and place on the Watch List.
SWRCB Staff Recommendation	Delist and place on the Watch List.

Region 2

Central Basin/San Francisco Bay, Central

Water Body	Central Basin/San Francisco Bay, Central
Stressor/Media/Beneficial Use	Copper/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used Regional Monitoring Program (RMP) and Special TMDL study QA/QC. QA/QC requirement. Only data of higher overall level information used.
Linkage between measurement endpoint and beneficial use or standard	Copper linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	WQO Basin Plan used
Water Body-specific Information	Data = 8 years (93-2001)
Data used to assess water quality	Data = 466 samples total collectively for S.F. Bay segments North of the Dumbarton Bridge. Since March 1993, there have been 6 exceedances, and there have been no exceedances of the objective since 1997.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 3/93-4/01.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist and place on the Watch List.
SWRCB Staff Recommendation	Delist and place on the Watch List.

Region 2

South Bay Basin/San Francisco Bay, Lower

Water Body	South Bay Basin/San Francisco Bay, Lower
Stressor/Media/Beneficial Use	Copper/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used Regional Monitoring Program (RMP) and Special TMDL study QA/QC. QA/QC requirement. Only data of higher overall level information used.
Linkage between measurement endpoint and beneficial use or standard	Copper linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	WQO Basin Plan used
Water Body-specific Information	Data = 8 years (93-2001)
Data used to assess water quality	Data = 466 samples total collectively for S.F. Bay segments North of the Dumbarton Bridge. Since March 1993, there have been 6 exceedances, and there have been no exceedances of the objective since 1997.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 3/93-4/01.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist and place on the Watch List.
SWRCB Staff Recommendation	Delist and place on the Watch List.

Region 2

South Bay Basin/San Francisco Bay, Lower

Water Body	South Bay Basin/San Francisco Bay, Lower
Stressor/Media/Beneficial Use	Nickel/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used Regional Monitoring Program (RMP) and Special TMDL study QA/QC. QA/QC requirement. Only data of higher overall level information used.
Linkage between measurement endpoint and beneficial use or standard	Nickel linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	California Toxics Rule (CTR) levels used
Water Body-specific Information	Data = 8 years (93-2001)
Data used to assess water quality	Data = 463 samples total collectively for S.F. Bay segments North of the Dumbarton Bridge. Using the CTR standard, there have been no exceedances since March of 1993.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 3/93-4/01.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist and place on the Watch List.
SWRCB Staff Recommendation	Delist and place on the Watch List.

Region 2

Santa Clara Basin/San Francisco Bay, South

Water Body	Santa Clara Basin/San Francisco Bay, South
Stressor/Media/Beneficial Use	Copper/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used San Jose Copper and Nickel study QA/QC. QA/QC requirement. Only data of higher overall level of information was used.
Linkage between measurement endpoint and beneficial use or standard	Copper linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	California Toxics Rule (CTR) levels used
Water Body-specific Information	Data = 3 years (97-2000)
Data used to assess water quality	Data = 690 samples total collectively for S.F. Bay south of the Dumbarton Bridge. Using the CTR standard, 35% (241) of the samples exceed it.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 2/97-12/00.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist according to the new Site Specific Objectives coming in Spring 2002, and place on the Watch List.
SWRCB Staff Recommendation	Maintain Listing. The Site Specific Objectives, that would allow this water body to be de-listed, have yet to be approved. Using the CTR standard, 35% of the samples still exceed.

Region 2

Santa Clara Basin/San Francisco Bay, South

Water Body	Santa Clara Basin/San Francisco Bay, South
Stressor/Media/Beneficial Use	Nickel/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used San Jose Copper and Nickel study QA/QC. QA/QC requirement. Only data of higher overall level of information was used.
Linkage between measurement endpoint and beneficial use or standard	Nickel linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	California Toxics Rule (CTR) levels used
Water Body-specific Information	Data = 3 years (97-2000)
Data used to assess water quality	Data = 604 samples total collectively for S.F. Bay south of the Dumbarton Bridge. Using the CTR standard, 1% (6) of the samples exceed it.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 2/97-12/00.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist according to the new Site Specific Objectives coming in Spring 2002, and place on the Watch List.
SWRCB Staff Recommendation	Delist and place on the Watch List. Using the current CTR standards only 1% of 604 samples still exceed.

Region 2

San Pablo Basin/San Pablo Bay

Water Body	San Pablo Basin/San Pablo Bay
Stressor/Media/Beneficial Use	Copper/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used Regional Monitoring Program (RMP) and Special TMDL study QA/QC. QA/QC requirement. Only data of higher overall level information used.
Linkage between measurement endpoint and beneficial use or standard	Copper linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	WQO Basin Plan used
Water Body-specific Information	Data = 8 years (93-2001)
Data used to assess water quality	Data = 466 samples total collectively for S.F. Bay segments North of the Dumbarton Bridge. Since March 1993, there have been 6 exceedances, and there have been no exceedances of the objective since 1997.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 3/93-4/01.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist and place on the Watch List.
SWRCB Staff Recommendation	Delist and place on the Watch List.

Region 2

San Pablo Basin/San Pablo Bay

Water Body	San Pablo Basin/San Pablo Bay
Stressor/Media/Beneficial Use	Nickel/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used Regional Monitoring Program (RMP) and Special TMDL study QA/QC. QA/QC requirement. Only data of higher overall level information used.
Linkage between measurement endpoint and beneficial use or standard	Nickel linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	California Toxics Rule (CTR) levels used
Water Body-specific Information	Data = 8 years (93-2001)
Data used to assess water quality	Data = 463 samples total collectively for S.F. Bay segments North of the Dumbarton Bridge. Using the CTR standard, there have been no exceedances since March of 1993.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 3/93-4/01.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist and place on the Watch List.
SWRCB Staff Recommendation	Delist and place on the Watch List.

Region 2

Suisun Basin/Suisun Bay

Water Body	Suisun Basin/Suisun Bay
Stressor/Media/Beneficial Use	Copper/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used Regional Monitoring Program (RMP) and Special TMDL study QA/QC. QA/QC requirement. Only data of higher overall level information used.
Linkage between measurement endpoint and beneficial use or standard	Copper linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	WQO Basin Plan used
Water Body-specific Information	Data = 8 years (93-2001)
Data used to assess water quality	Data = 466 samples total collectively for S.F. Bay segments North of the Dumbarton Bridge. Since March 1993, there have been 6 exceedances, and there have been no exceedances of the objective since 1997.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 3/93-4/01.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist and place on the Watch List.
SWRCB Staff Recommendation	Delist and place on the Watch List.

Region 2

Suisun Basin/Suisun Bay

Water Body	Suisun Basin/Suisun Bay
Stressor/Media/Beneficial Use	Nickel/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used Regional Monitoring Program (RMP) and Special TMDL study QA/QC. QA/QC requirement. Only data of higher overall level information used.
Linkage between measurement endpoint and beneficial use or standard	Nickel linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	California Toxics Rule (CTR) levels used
Water Body-specific Information	Data = 8 years (93-2001)
Data used to assess water quality	Data = 463 samples total collectively for S.F. Bay segments North of the Dumbarton Bridge. Using the CTR standard, there have been no exceedances since March of 1993.
Spatial representation	Data was spatially collected.
Temporal representation	Data was collected from 3/93-4/01.
Data type	Numerical data
Use of standard method	Regional Board methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist and place on the Watch List.
SWRCB Staff Recommendation	Delist and place on the Watch List.

Water Bodies Proposed for the Watch List by Region 2

Carquinez Strait

Copper
Nickel
PAHs, PBDEs

Lake Merced

Low Dissolved Oxygen

Lake Merritt

Low Dissolved Oxygen

Novato Creek below Stafford Dam

Sedimentation and Siltation

Pilarcitos Creek below Pilarcitos Reservoir

Sedimentation and Siltation

Richardson Bay

PAHs, PBDEs

Sacramento-San Joaquin Delta

Copper
Nickel
PAHs, PBDEs

San Francisco Bay, Central

Copper
PAHs, PBDEs

San Francisco Bay, Lower

Copper
Nickel
PAHs, PBDEs

San Francisco Bay, South

Copper
Nickel
PAHs, PBDEs

San Pablo Basin/Castro Cove, Richmond

Toxicity

San Pablo Bay

Copper
Nickel
PAHs, PBDEs

South Bay Basin/Central Basin, San
Francisco

Toxicity

South Bay Basin/Oakland Inner Harbor
(Fruitvale site)

Toxicity

South Bay Basin/Oakland Inner Harbor
(Pacific Dry-dock Yard 1 site)

Toxicity

South Bay Basin/Redwood Creek, tidal
portion (San Mateo County)

E. coli

South Bay Basin/San Leandro Bay

Toxicity

Suisun Bay

Copper

Nickel

PAHs, PBDEs

Urban Creeks, Lakes, and Shorelines

Trash

Reference List for Region 2

Staff Report

California Regional Water Quality Control Board. San Francisco Bay Region. 2001. Proposed Revisions to Section 303(d) List and Priorities for Development of Total Maximum Daily Loads (TMDLs) for the San Francisco Bay Region. Staff Report. November 14, 2001.

Technical References

Alameda Creek Watershed Key Point Monitoring for Alameda Creek, Alameda Creek Water Quality Monitoring Station, Alamo Canal, Arroyo de la Laguna, Arroyo del Valle, Arroyo las Positas, Arroyo Mocho, Sinbad, Stonybrook, and Vallecitos Creek. Jul. 1997-Apr. 2001. Alameda County Water District.

Alameda Creek Watershed Key Point Monitoring for Alamo Creek, South San Ramon Creek, and Tassajara Creek. May 1998-Apr. 2001. Alameda County Water District.

Anderson, J.W., Zeng, E.y., Jones, J.M., 1999. Environ. Toxicol. Chem. 1999, 18, 1506-1510.

Bay Area Clean Water Agencies (BACWA), 2001. Draft Report for Copper and Nickel North of the Dumbarton Bridge. Prepared by EOA, Inc. and Larry Walker Associates, December 6, 2001.

Bel Marin Keys Community Services District Water Quality Testing Results 1997-1998; 2000-2001 Novato Creek and Bel Marin Keys Lagoon, Novato, California.

Belsky, E. and S. Lattanzio. Feb 2001. Request for Assessment and Clean-Up at Pacheco pond. Waterkeepers Northern California.

BPTCP, 1998. Sediment Quality and Biological Effects in San Francisco Bay. Bay Protection and Toxic Cleanup Program. Final Technical Report. California State Water Resources Control Board, Division of Water Quality, San Francisco Bay Regional Water Quality Control Board, California Department of Fish and Game Marine Pollution Studies Laboratory, California State University Moss Landing Marine Laboratories, University of California, Santa Cruz, Institute of Marine Sciences. August 1998.

Cabral, B. Water Quality Project Manager. Watershed Sanitary Survey for the CA Water Service Company. Bear Gulch Water Treatment Facility. CA Water Service Company.

California Department of Pesticide Regulation, Surface Water Database. Sept. 24, 2000. Pesticide Action Network.

City of Benicia Monitoring Program for Lake Herman. Jul. 1997-Apr. 2001. City of Benicia.

Cloak D. and L.A.J. Buchan. Sept. 2000. Stormwater Environmental Indicators Demonstration Project Draft Report. Water Environment research Foundation.

Coastal Clean-up Data for Alameda and Contra Costa East Bay Regional Park District. 1998-2000. Kathleen Fusek. Alameda and Contra Costa East Bay Regional Park District

Coastal Clean-up Data for Marin County. 1997-2000. Christianne Gallagher. Marin Bay Model Visitor Center.

Coastal Clean-up Data for Sonoma County. 1997-2000. Christie Brown. Sonoma-Sierra.

Collins, L. Jul. 1998. Sediment Sources and Fluvial Geomorphic Processes of Lower Novato Creek Watershed.

Collins, L., D. Morton, and P. Amato. 2001. Carriger Creek Watershed Science Approach, San Francisco estuary Institute Draft.

Collins, L., P. Amato, and D. Morton. Dec. 2000. Application of the SFEI Watershed Science Approach to San Antonio Creek, Sonoma and Marin Counties, California.

Collins, L., P. Amato, and D. Morton. 2001. San Pedro Creek Geomorphic Analysis. San Mateo County.

Department of Water Resources. 1999. Assessment of MTBE in State Water Project Reservoirs. Apr.1999.

Draft Environmental Impact Report and Stream Maintenance Program Report for the Multi-Year Stream Maintenance Program. Mar. 28, 2001. Santa Clara County, Santa Clara Valley Water District.

Draft IR Site 2 Remedial Investigation Report Alameda Point Alameda, California. Dec 2000. Neptune and Company, Inc.

Draft Seaplane Lagoon Site Characterization Memorandum. April 2001. WaterKeepers of Northern California.

Eljarrat, E., J. Caixach and J. Rivera. 2001. Toxic Potency Assessment of Non- and Mono-*ortho* PCBs, PCDDs, PCDFs, and PAHs in Northwest Mediterranean Sediments (Catalonia, Spain). *Env. Sci. Tech.* 35:18 3589-3594.

Environmental Protection Agency Region IX Laboratory Data for San Pedro Creek. Jan. 1997-Nov. 2000. Environmental Protection Agency.

Fairfield-Suisun Water Treatment Plant Slough Data for Suisun Slough and Boynton Slough. Jun. 1997-Jun. 2000. NPDES Permit CA0038024. Fairfield-Suisun Sewer District.

Fairfield-Suisun Sewer District. 2001. Mercury Reduction Study-Final Report. July 10, 2001. NPDES Permit CA0038024.

Friends of Novato Creek Photo Journal. Friends of Novato Creek.

Friends of Sausal Creek Monitoring Program for Palo Seco, El Centro, and Hickory. Feb. 1998-Mar. 2000. Friends of Sausal Creek.

Grovhoug, T. R. and S. Salvia. Aug. 17, 2000. Work Plan for Copper and Nickel Impairment Assessment to Assist in Preparation of 2002 303(d) List-San Francisco Bay North of Dumbarton Bridge. Bay Area Clean Water Agencies (BACWA).

Haible, W.W., 1980. Holocene profile changes along a California coastal stream. *Earth Surface Processes* 5(3): 249-264.

Hecht, B., 1992. Sediment overview report: development of an initial sediment management plan for Lagunitas Creek, Marin County, California> Prepared for Marin Municipal Water District by Balance Hydrologics, Inc., February 1992.

Kannan, K., Villeneuve, D., Yamashita, N., Imagawa, T., Hashimoto, S., Miyazaki, A., Giesy, J. 2000. *Environ. Sci. Tech.* 2000, 34, 3568-3573.

Khim, J.S.; Villeneuve, D.L., Kannan, K., Koh, C., Giesy, G. 1999. *Environ. Sci. Tech.* 1999, 33, 4206-4211.

Lake Merritt Institute Monitoring Program. Sept. 1998-May 1999. Lake Merritt Institute, Alameda County.

Lawrence Livermore National Laboratory Storm Water Monitoring Program for Arroyo Seco and Arroyo Los Positas. Nov. 1997-Mar. 2000. Lawrence Livermore National Laboratory.

Leidy, Robert, 1997. Distribution and ecology of stream fishes in the San Francisco Bay drainage. *Hilgardia* 52, no. 8:1-175.

Marin County Macroinvertebrate Survey Fall 1999-Spring 2000. Sustainable Land Stewardship Institute for the Marin County Stormwater Pollution Prevention Program.

Marin County Stormwater Pollution Prevention Program's Aquatic Macroinvertebrate Sampling Program. World Wide Web. <http://www.mywatershed.org/bmi/samplesites.htm>. Apr. 2001.

Marin-Sonoma Counties Agricultural Runoff Influence Investigation 1999-2000 Summary. Dec 2000. Department of Fish and Game.

McMurtry, R. Jan. 2001. PCBs and Clams in Creeks The Results of An Environmental Partnership. Silicon Valley Toxics Coalition, Clean Streams/Clean Bay Project.

Moore, C.J. et al. 1999. Marine Debris in the North Pacific Gyre, with a Biomass Comparison of Neustonic Plastic and Plankton. (in preparation).

Moore, S.L. and M.J. Allen. 2000. Distribution of Anthropogenic and Natural Debris on the Mainland Shelf of the Southern California Bight. *Marine Pollution Bulletin* 40:83-88.

National Research Council (NRC), 2001. Assessing the TMDL Approach to Water Quality Management. Committee to Assess the Scientific Basis of the Total Maximum Daily Load Approach to Water Pollution Reduction. Water Science and Technology Board. Division of Earth and Life Studies. Governing Board of the National Research Council, with members of the National Academy of Sciences, National Academy of Engineering, and the Institute of Medicine.

Natural Resources Defense Council (NRDC), 2001. Testing the Waters XI: A Guide to Water Quality at Vacation Beaches. August 2001.

North Bay Dischargers Group, Bay Area Dischargers Association, Western States Petroleum Association. 2001. Copper and Nickel Impairment Assessment to Assist in Preparation of 2002 303(d) List, San Francisco Bay North of Dumbarton Bridge. May 15, 2001.

Pereira, W. E., F. D. Hostettler, S. N. Luoma, Alexander van Geen, C. C. Fuller, and R. J. Anima. 1999. Sedimentary record of anthropogenic and biogenic polycyclic aromatic hydrocarbons in San Francisco Bay, California. *Marine Chemistry*. 64:99-113.

Petaluma Tree Planters, 1999. Diazinon and Chlorpyrifos in the Upper Petaluma River Watershed Petaluma, California. B. Abelli-Amen, BASELINE Environmental Consulting.

Phillip Williams & Associates, Ltd. 1996. Pilarcitos Creek Restoration Plan. Aug. 1996.

Prunuske Chatham, Inc., 2001. Novato Creek Watershed Erosion Inventory and Sediment Control Plan. Prepared for Marin County Department of Public Works, April 2001.

Randall, Paul. 2001. Response to Recommendation by WaterKeepers of Northern California that San Pedro Creek be added to the 303(d) List for Total Coliform, Fecal Coliform, and Sedimentation. Memorandum to Bob Davidson, San Mateo STOPPP. June 27, 2001.

Rich, A. May. 1995. Feasibility Study to Rehabilitate the Fishery Resources of the Arroyo Corte Madera del Presidio Watershed, Mill Valley, California. A.A Rich and Associates Fisheries and Ecological Consultants.

Rich, A. Nov. 2000. Fishery Resources Conditions of the Corte Madera Creek Watershed, Marin County, California.

RWQCB, 1995. San Francisco Bay Water Quality Control Plan (Basin Plan).

RWQCB, 1999. Final Regional Toxic Hot Spot Cleanup Plan. March 1999.

San Francisco Public Utilities Commission Quarterly Lake Monitoring. Sept. 1997-Dec. 2000. Friends of Lake Merced, San Francisco Public Utilities Commission.

San Jose Copper and Nickel Monitoring Program. Feb. 1997-Dec. 2000.

Sanitary Survey Update Report 2001, Vol. 1,2. Municipal Water Quality Investigations Program. California State Water Project Watershed. Division of Planning and Local Assistance, CA Department of Water Resources.

San Mateo County Environmental Health Data for Marina Lagoon. Oct. 1998-Oct. 2000. WaterKeepers of Northern California.

San Mateo County Environmental Health Data for North Coast: Fitzgerald Marine Reserve, Linda Mar Beach #5, Linda Mar Beach #6, Pillar Point Harbor, Sharp Park Beach #3, and Sharp Park Beach #6. Jan. 1998-Jan. 2001. WaterKeepers of Northern California.

San Mateo County Environmental Health Data for North Coast: Montara Beach. Feb. 2000-Jan. 2000. WaterKeepers of Northern California.

San Mateo County Environmental Health Data for North Coast: Pillar Point #4, #5, and #7. Jan. 2000-Jan. 2001. WaterKeepers of Northern California.

San Mateo County Environmental Health Data for North Coast: Rockaway Beach. Mar. 2000-Jan. 2001. WaterKeepers of Northern California.

San Mateo County Environmental Health Data for North Coast: Surfer's Beach. Jan. 1998-Jan. 2001. WaterKeepers of Northern California.

San Mateo County Environmental Health Data for San Pedro. May. 1998-Aug. 2000. WaterKeepers of Northern California.

San Mateo County Environmental Health Data for San Vicente. Oct. 1998-Sept. 2000. WaterKeepers of Northern California.

San Mateo County Environmental Health Data for South Coast: Francis Beach, Pescadero Beach, Pomponio Beach, Pomponio Creek, San Gregorio Beach, and San Gregorio Creek. Sept. 1998-Mar. 2001. WaterKeepers of Northern California.

San Mateo County Environmental Health Data for South Coast: Pescadero Creek. Sept. 2000-Oct. 2000. WaterKeepers of Northern California.

San Mateo County Environmental Health Data for South Coast: Roosevelt Beach. Sept. 1998-Mar. 2001. WaterKeepers of Northern California.

San Mateo County Environmental Health Data for South Coast: Venice Beach. Sept.1999-Mar. 2001. WaterKeepers of Northern California.

Santa Clara Basin Watershed Management Initiative TMDL Work Group, 2000. Impairment Assessment Report for Copper and Nickel in Lower South San Francisco Bay. June 2000.

Santa Clara Basin Watershed Management Initiative TMDL Work Group, 1999. Conceptual Model Report for Copper and Nickel in Lower South San Francisco Bay, December 1999.

Santa Clara Watershed Monitoring for Almaden Reservoir. Jan.1998-Feb.2000. Santa Clara Valley Water District.

Santa Clara Watershed Monitoring for Anderson EROP Packwood, EROP North, EROP South, and EROP Holiday Estates. Jul.1997-Dec.2000. Santa Clara Valley Water District.

Santa Clara Watershed Monitoring for Anderson Reservoir. Jan.1998-Feb.2000. Santa Clara Valley Water District.

Santa Clara Watershed Monitoring for Anderson Reservoir Basin. Feb.1998-Jun.2000. Santa Clara Valley Water District.

Santa Clara Watershed Monitoring for Calero EROP Beach, EROP Cherry Cove, and EROP Portal. Jul.1997-Aug.2000. Santa Clara Valley Water District.

Santa Clara Watershed Monitoring for Calero Horse Ranch and Calero Inlet. Jul.1997-Aug. 2000. Santa Clara Valley Water District.

Santa Clara Watershed Monitoring for Calero Reservoir Basin. Feb.1998-May.2000. Santa Clara Valley Water District.

Santa Clara Watershed Monitoring for Coyote Reservoir. Jan.1998-Feb.2000. Santa Clara Valley Water District.

Santa Clara Watershed Monitoring for Horse Ranch Monitoring Program and Lightfoot Stable Monitoring Program. Jan.1998-Jan.2000. Santa Clara Valley Water District.

Santa Clara Watershed Monitoring for Hydrolab Anderson. Jul.1997-Jun.2001. Santa Clara Valley Water District.

Santa Clara Watershed Monitoring for Hydrolab Calero. Jan.2000-Dec.2000. Santa Clara Valley Water District.

Santa Clara Watershed Monitoring for Twin Creeks Monitoring Program. Jul.1997-Oct.2000. Santa Clara Valley Water District.

Scanlin, J. and A. Y. Feng. Oct. 20, 1997. Characterization of the Presence and Sources of Diazinon in the Castro Valley Creek Watershed. Alameda County.

San Francisco Estuary Institute. 2000. Sediment Contamination in San Leandro Bay, CA. Dec. 2000.

San Francisco Estuary Institute, 2001. Letter and attached information from Rainer Hoenicke to Thomas Mumley re: 303(d) List, May 15, 2001.

She, J., Petreas, M., Winkler, J., Visita, P., McKinney, M., and D. Kopec. 2001. PBDEs in the San Francisco Bay Area: Measurements in Harbor Seal Blubber and Human Breast Adipose Tissue. Chemosphere, In Press, 2001.

Smeltzer, M., J. Reilly, and D. Dawdy. Dec. 2000. Geomorphic Assessment of the Corte Madera Creek Watershed Marin County, California Final Report. Stetson Engineers Inc.

Southern Sonoma County Resource Conservation District, 1999. Petaluma River Enhancement Plan.

Spies, R. B., and D. W. Rice, Jr. 1988. Effects of organic contaminants on reproduction of the starry flounder *Platichthys stellatus* in San Francisco Bay [California, USA]: II. Reproductive success of fish captured in San Francisco Bay and spawned in the laboratory. Marine Biology (Berlin). 98:191-200.

Sykes, R.G. 2000. East Bay Watershed Sanitary Survey. East Bay Municipal Utility District.

Stafford Lake Watershed Sanitary Survey. 1995. North Marin Water District.

Thompson, B., B. Anderson, J. Junt, K. Taberski, and B. Phillips. 1999. Relationships between sediment contamination and toxicity in San Francisco Bay. Marine Environmental Research. 48:285-309.

U.S. Environmental Protection Agency, 1992. Plastic Pellets in the Aquatic Environment: Sources and Recommendations.

U.S. Environmental Protection Agency, 1996. Guidelines for Preparation of the 1996 State Water Quality Assessments (305(b) Reports).

U.S. Environmental Protection Agency. 2000. Water Quality Standards: Establishment of Numeric Criteria for Priority Toxic Pollutants for the State of California; (40 CFR Part 131); Part II. In: Federal Register, May 18, 2000. (California Toxics Rule). U.S. EPA. Washington, D.C.

U.S. Environmental Protection Agency, 2001a. DRAFT Consolidated Assessment and Listing Methodology (CALM), Toward a Compendium of Best Practices. April 20, 2001.

U.S. Environmental Protection Agency, 2001b. Draft Assessing and Monitoring Floatable Debris.

U.S. Geological Survey Water Quality Monitoring for Abbotts Lagoon Lower, Middle and Upper. Nov.1998-Aug.1999. U.S. Geological Survey.

U.S. Geological Survey Water Quality Monitoring for Alameda Creek. Feb.2000-May.2000. U.S. Geological Survey.

U.S. Geological Survey Water Quality Monitoring for Arroyo de la Laguna. Dec.1997-Mar.2000. U.S. Geological Survey.

U.S. Geological Survey Water Quality Monitoring for Arroyo Valle. Jan.1999-Mar.2000. U.S. Geological Survey.

U.S. Geological Survey Water Quality Monitoring for Cull Creek and San Lorenzo Creek. Nov. 1997-May.2000. U.S. Geological Survey.

U.S. Geological Survey Water Quality Monitoring for Crow Creek. Oct.1999-May.2000. U.S. Geological Survey.

U.S. Geological Survey Water Quality Monitoring for Lagunitas Creek, Olema Creek, Pine Creek, and Redwood Creek (Alameda County). Nov.1998-Jan.2001. U.S. Geological Survey.

U.S. Geological Survey Water Quality Monitoring for Lobos Creek. Jul.1997-May.1998. U.S. Geological Survey.

U.S. Geological Survey Water Quality Monitoring for Redwood Creek (Marin County). Sept. 1997-Mar.1998. U.S. Geological Survey.

U.S. Geological Survey Water Quality Monitoring for San Antonio Creek. Jan.2000-Apr.2000. U.S. Geological Survey.

U.S. Geological Survey Water Quality Monitoring for Torogas Creek. Jan.2000-May.000. U.S. Geological Survey.

Watershed Sanitary Survey. Jan.1996. Citizens Utilities Company of California Montara District.

Watershed Sanitary Survey 1997. Jan. 1997. Inverness Public Utility District, Marin County.

Watershed Sanitary Survey for Anderson, Coyote, Calero, Almaden 1989. Dec.1995. Santa Clara Valley Water District.

Watershed Sanitary Survey for Denniston and San Vicente Watersheds. Apr.1996. San Mateo County and Coast Side County Water District.

Watershed Sanitary Survey for Los Gatos and Saratoga Creek Watersheds. San Jose Water Company.

Watershed Sanitary Survey Update. Dec.2000. Citizens Water Resources Company Montara System.

Watershed Sanitary Survey Update 2000. Dec. 2000. Marin Municipal Water District, Kennedy Jenks Consultant.

Watershed Sanitary Survey Updates for the Alameda and Peninsula Watersheds. Dec.2000. Executive Summary. San Francisco Public Utilities Commission.

WaterKeepers of Northern California. Jan.-Apr. 2001. Photographs of trash in Guadalupe River, San Leandro Creek, Damon Slough, Lake Merritt and Glen Echo Creek.

WaterKeepers of Northern California. Mar. 1, 2001. Photographs of trash in Guadalupe River.

Other Information Considered

D'Alessio, C. and S. Guldman. May 1, 2001. Letter to Christine Kennelly at BayKeeper. Friends of Corte Madera Creek Watershed.

Dick, M. Jan. 15, 2001. Letter to Tom Mumley at San Francisco bay Regional Water Quality Control Board. Santa Clara Basin Watershed Management Initiative.

Johmann, L. May 12, 2001. Letter to Steve Moore in Response to Public Solicitation of Water Quality Information Notice. Western Waters Canoe Club.

Olivieri, A. W. May 11, 2001. Letter to Loretta Barsamian in Response to Solicitation of Water Quality Information. Santa Clara Valley Urban Runoff Pollution Prevention Program.

Salzman, B. May 14, 2001. Letter to Loretta Barsamian in Response to Solicitation of Water Quality Information. Marin Audubon Society.

Regional Water Quality Control Board

CENTRAL COAST REGION (3)



SECTION 303 (d) LIST PROPOSALS

Region 3 Summary of Recommendations

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Alamo Creek	Fecal coliform/water/REC 1	List	List
Alisal Creek	Fecal coliform/water/REC 1	List	List
Atascadero Creek	Dissolved Oxygen/water/Aquatic Life	List	List
Blosser Channel/Creek	Fecal coliform/water/REC 1	List	List
Salinas River (Upper)	Chloride/water/Drinking Water BU	List	List
San Lorenzo River Watershed-Branciforte Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Fall Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Kings Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Love Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Mountain Charlie Gulch	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Newell Creek (Upper)	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Zayante Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Chorro Creek	Metals/sediment/aquatic habitat uses	Delist (Data outside waterbody)	Delist
Estero Bay/Los Osos Creek	Priority organics/Water--Sediment/Aquatic Life	Delist	Delist
San Lorenzo River Lagoon	Sediment/Siltation/water/Aquatic life	Delist	Delist (Impairment not due to delivery of sediment upstream sources, but due the established of a sandbar.)
San Luis Obispo Creek	Priority organics/tissue/Fish Consumption	Delist for Priority Organics (HCH and Chlordane, list for PCBs)	Maintain Listing (not enough samples to warrant delisting)
Majors Creek	Turbidity/water/MUN, WARM, COLD, SPWN	No evidence to support listing	Exclude from list
Monterey Bay at Aquarium	Dissolved Oxygen, temperature, total coliform, fecal coliform, enterococcus, total ammonia, nitrite, nitrate, phosphate, pH/water/all ocean-bay uses	Do not list	Exclude from list
Pacific Ocean (various sites)	Total coliform, E. coli, Enterococcus, nitrate, phosphate, sulfate, turbidity, Dissolved Oxygen, temperature, conductivity, pH/water/all ocean-bay uses	Do not list (Evidence does not support listing)	Exclude from List
Santa Barbara Channel/various sites	Total coliform, E. coli, Enterococcus, nitrite, phosphate, sulfate, turbidity, Dissolved Oxygen Temperature, conductivity and pH/water	Do not list (No QA)	Exclude from list
Selected sites in Monterey Bay	Nickel, chromium, arsenic/sediment/Aquatic Life	Do not list	Exclude from list

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Upper Salinas River/tributaries	Temperature, nutrients, turbidity, Dissolved Oxygen/sediment/Aquatic Life	Do not list (no QA and not enough data to determine water quality conditions)	Exclude from list
Santa Ynez watershed, San Antonio watershed, Santa Maria Watershed, Salinas watershed and San Benito Watershed	No additional impairments	Do not list (no additional impairments)	Exclude from list
Carpinteria	Virus/water/REC1	Do not list	Exclude from list
City College Beach (Leadbetter Beach)	Virus/water/REC1	Do not list	Exclude from list
Mission Creek Beach	Virus/water/REC1	Do not list	Exclude from list
Arroyo Burro Beach	Virus/water/REC1	Do not list	Exclude from list
Salinas River (upper)	Sodium/water/Ag and Drinking Water	List	List
San Lorenzo Creek	Fecal coliform/water/REC1	List	List
San Luis Obispo Creek at the mouth	Polychlorinated biphenyls (PCBs)/tissue/Fish Consumption	List (PCBs MTRLs exceedance in fish tissue)/Watch List (not enough samples to list)	Watch List (not enough samples to list)
Santa Maria River	Fecal coliform/water/REC1	List	List
Santa Maria River	Nutrients (nitrate)/water/Drinking Water BU	List	List
Tembladero Slough	Fecal coliform/water/REC1	List	List
Tesquita Slough	Fecal coliform/water/REC1	List	List
San Lorenzo River Watershed -Bean Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
San Lorenzo River Watershed-Bear Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Bear Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List
Bradley Canyon Creek	Fecal coliform/water/REC1	List	List
Cholame Creek	Fecal coliform/water/REC1	List	List
Gabilan Creek	Fecal coliform/water/REC1	List	List
Llagas Creek	Fecal coliform/water/REC1	List	List
Llagas Creek	Chloride/water/Drinking Water BU	List	List
Llagas Creek	Dissolved Oxygen/water/Aquatic Life	List	List
Llagas Creek	Sodium/water/Aquatic Life	List	List
Llagas Creek	TDS/water/Aquatic life and Agriculture	List	List
Los Osos Creek	Dissolved Oxygen/water/Aquatic Life	List	List
Main Street Canal	Nutrients (nitrate)/water/Drinking Water BU	List	List
Nipomo Creek	Fecal coliform/water/REC1	List	List
Orcutt Solomon Creek	Fecal coliform/water/REC1	List	List
Olso Flaco Lake	Nutrients(Nitrate)/water/Drinki ng Water BU	List	List

Summary of Recommendations 3-4

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
South Coast/Pacific Ocean @ Arroyo Quemado Beach	Total coliform/water/Ocean Plan Shellfish Harvest, REC1	List	List
South Coast/Pacific Ocean @ Arroyo Quemado Beach	Fecal coliform/water/REC1	List	List
South Coast/Pacific Ocean @ Jalama Beach	Total coliform/water/Ocean Plan Shellfish Harvest, REC1	List	List
South Coast/Pacific Ocean @ Jalama Beach	Fecal coliform/water/Ocean Plan Shellfish harvest, REC1	List	List
South Coast/Pacific Ocean @ Mission Creek (East Beach)	Total coliform/water/Ocean Plan Shellfish Harvest, REC1	List	List
South Coast/Pacific Ocean @ Mission Creek (East Beach)	Fecal coliform/water/Ocean Plan REC1	List	List
Pajaro River	Fecal coliform/water/BP WQO	List	List
Quail Creek	Fecal coliform/water/REC1	List	List
Salinas Reclamation Canal	Fecal coliform/water/REC1	List	List

Region 3

Alamo Creek

Water Body	Alamo Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC 1
Data quality assessment. Extent to which data quality requirements met.	Used Central Coast Ambient Monitoring Program (CCAMP) QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	14 bacterial samples, 8 samples exceeding (57%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Used Central Coast Ambient Monitoring Program (CCAMP) QA/QC methodology
Potential Source(s) of Pollutant	Natural sources, Agriculture, Range Land
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Alisal Creek

Water Body	Alisal Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC 1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	6 bacteria samples, 5 samples exceeding (83%) WQO violations
Spatial representation	1 site
Temporal representation	sum, fall winter sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Urban Runoff, Natural Sources, Nonpoint sources, Agriculture
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Atascadero Creek

Water Body	Atascadero Creek
Stressor/Media/Beneficial Use	Dissolved Oxygen/water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Dissolved Oxygen is linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 year
Data used to assess water quality	20 water samples, 13 samples exceeding (67%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Urban Runoff, Unknown Sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Blosser Channel/Creek

Water Body	Blosser Channel/Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC 1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	10 Bacteria samples, 5 samples exceeding (50%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events, excluding the dry season.
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Pasture Lands, Urban Runoff, Storm water, Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Salinas River (Upper)

Water Body	Salinas River (Upper)
Stressor/Media/Beneficial Use	Chloride/water/Drinking Water BU
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Chloride is linked to Agriculture and Drinking water BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	42 water samples, 42 samples exceeding (100%) WQO violations
Spatial representation	3 Stations
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Urban Runoff, Pasture Lands
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Branciforte Creek

Water Body	San Lorenzo River Watershed-Branciforte Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and beneficial use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run Embeddedness = 60% samples exceed at Site 21a and 37.5% samples exceed at Site 21b. (Sample size unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Logging in upper watershed, improper/illegal
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Fall Creek

Water Body	San Lorenzo River Watershed-Fall Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and beneficial use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run Embeddedness = 47.5% samples exceed at Site 15. For Fine Sediment in Riffles = 40% samples exceed at Site 15 (Sample size unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Trail system in Fall State Park (stream mile 1 and above), bank erosion/slumping, Residential use, road, trails
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Kings Creek

Water Body	San Lorenzo River Watershed-Kings Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and beneficial use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run Embeddedness = 52.5% sample exceed at site 19b. (Sample size unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, residential use, roads and timber
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Love Creek

Water Body	San Lorenzo River Watershed-Love Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and beneficial use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run Embeddedness = 44% samples exceed at Site L-1. For D50: 37 = 30mm sample at Site Z-8. (Sample size unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, agriculture, residential use, roads and timber
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Mountain Charlie Gulch

Water Body	San Lorenzo River Watershed-Mountain Charlie Gulch
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and beneficial use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run embeddedness = 40% samples exceed at Site 16b, 35% samples exceed at Site 16c. For Fine Sediments in Riffles = 38% samples exceed at Site Z-3. For D50: 37mm (minimum for a reach) = 11mm at Site Z-3. (Sample size unknown for all cases).Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Residential use, timber, roads
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Newell Creek (Upper)

Water Body	San Lorenzo River Watershed-Newell Creek (Upper)
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and beneficial use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run embeddedness = 40% samples exceed at Site 16b, 35% samples exceed at Site 16c (Sample size unknown for all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, agriculture, residential use, roads and timber
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Zayante Creek

Water Body	San Lorenzo River Watershed-Zayante Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and beneficial use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run embeddedness = 45% samples exceed at Site 13a and 13b, 40% samples exceed at Site 13e, 54% samples exceed at Site Z-1, 47% samples exceed at Site Z-2, 39% samples exceed at Site Z-4, 42% samples exceed at Site Z-5, 46% samples exceed at Site Z-6. For Fine Sediments in Riffles = 40% samples exceed at Site 13b, 50% samples. Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999. exceed at Site 13c, 45% samples exceed at Site 13d, 38% samples exceed at Site Z-1, 34% samples exceed at Site Z-2. For D50: 37mm (minimum for a reach) = 12mm at Site Z-1, 14mm at Site Z-2, 24mm at Site Z-5, 30mm at Site Z-7. (Sample size unknown for all cases)
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, agriculture, residential use, roads and timber
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Chorro Creek

Water Body	Chorro Creek
Stressor/Media/Beneficial Use	Metals/sediment/aquatic habitat uses
Data quality assessment. Extent to which data quality requirements met.	CCAMP Methodologies
Linkage between measurement endpoint and beneficial use or standard	Metal in sediment is linked to aquatic life
Utility of measure for judging if standards or uses are not attained	New data points towards no impairment. Past assessment was based on two sample locations not in the waterway (Chorro Creek).
Water Body-specific Information	Data from outside of water body
Data used to assess water quality	No new data
Spatial representation	Data from outside of water body
Temporal representation	Unknown
Data type	NA
Use of standard method	NA
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Siltation TMDL is expected to reduce metals loads
RWQCB Recommendation	Delist (Data outside waterbody)
SWRCB Staff Recommendation	Delist

Region 3

Estero Bay/Los Osos Creek

Water Body	Estero Bay/Los Osos Creek
Stressor/Media/Beneficial Use	Priority organics/Water--Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and beneficial use or standard	Priority Organic linked to Aquatic life
Utility of measure for judging if standards or uses are not attained	New data points towards no impairment. Most current data indicates WQO per CTR and BP are met.
Water Body-specific Information	Data 1 year old
Data used to assess water quality	Number of samples unknown, but results indicate chemical in concentrations below NOAA and ERMs.
Spatial representation	Unknown
Temporal representation	one sample event
Data type	Numerical
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist
SWRCB Staff Recommendation	Delist

Region 3

San Lorenzo River Lagoon

Water Body	San Lorenzo River Lagoon
Stressor/Media/Beneficial Use	Sediment/Siltation/water/Aquatic life
Data quality assessment. Extent to which data quality requirements met.	City of Santa Cruz of lower Lorenzo River (Philip Williams and Associates, et al, 1989). Unknown if QAPP used.
Linkage between measurement endpoint and beneficial use or standard	Siltation is linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	Original listing appears to have been based on generic data that was not indicative of the conditions in the SLR Lagoon. The Lagoon Management Plan has established that problem within the lagoon are associated with the breaching of the sand bar that becomes established between the lagoon and Monterey Bay, and are not due to the delivery of sediment from upstream sources.
Water Body-specific Information	Data 4 years old
Data used to assess water quality	No actual data
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	City of Santa Cruz, methods unknown
Potential Source(s) of Pollutant	Due to the establishment of a sandbar and not from sediments upstream.
Alternative Enforceable Program	
RWQCB Recommendation	Delist
SWRCB Staff Recommendation	Delist (Impairment not due to delivery of sediment upstream sources, but due the established of a sandbar.)

Region 3

San Luis Obispo Creek

Water Body	San Luis Obispo Creek
Stressor/Media/Beneficial Use	Priority organics/tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	CCAMP Methodologies and QAQC
Linkage between measurement endpoint and beneficial use or standard	MTRLs are linked to Fish Consumption BU
Utility of measure for judging if standards or uses are not attained	CTRs and MTRLs
Water Body-specific Information	Data 3 years old, species present, one time sample event
Data used to assess water quality	1 composite sample, 1 sample exceeding for PCBs
Spatial representation	One site
Temporal representation	1 sample events
Data type	Numerical
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist for Priority Organics (HCH and Chlordane, list for PCBs
SWRCB Staff Recommendation	Maintain Listing (not enough samples to warrant delisting)

Region 3

Majors Creek

Water Body	Majors Creek
Stressor/Media/Beneficial Use	Turbidity/water/MUN, WARM, COLD, SPWN
Data quality assessment. Extent to which data quality requirements met.	City of Santa Cruz data, QAPP unknown
Linkage between measurement endpoint and beneficial use or standard	Heavy sedimentation affects drinking water quality and habitat functions
Utility of measure for judging if standards or uses are not attained	Narrative objective: Waters shall be free of changes in turbidity that cause nuisance or adversely affect beneficial uses.
Water Body-specific Information	The City stated this watershed is experiencing increasingly frequent periods of high turbidity associated with the heavy sedimentation attributed to natural background erosion sources, the large network of unmaintained seasonal roads, log jam related stream bank erosions, feral pig activity and other factors. In addition to drinking water quality and production challenges posed by these conditions, the channel itself (especially the East Branch) is choked with sediment, thereby limiting habitat functions.
Data used to assess water quality	The City complains of high turbidity associated with heavy sedimentation due to erosion, seasonal roads, log jam-related erosion, feral pigs, and other factors.
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Unknown
Potential Source(s) of Pollutant	Natural sources, erosion, unmaintained roads, log jams, stream bank erosion, feral pig activity
Alternative Enforceable Program	Unknown
RWQCB Recommendation	No evidence to support listing
SWRCB Staff Recommendation	Exclude from list

Region 3

Monterey Bay at Aquarium

Water Body	Monterey Bay at Aquarium
Stressor/Media/Beneficial Use	Dissolved Oxygen, temperature, total coliform, fecal coliform, enterococcus, total ammonia, nitrite, nitrate, phosphate, pH/water/all ocean-bay uses
Data quality assessment. Extent to which data quality requirements met.	Monterey Bay Aquarium
Linkage between measurement endpoint and beneficial use or standard	Measurements related to Aquatic Life and REC1 BU
Utility of measure for judging if standards or uses are not attained	Unknown
Water Body-specific Information	Unknown
Data used to assess water quality	Unknown
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Do not list
SWRCB Staff Recommendation	Exclude from list

Region 3

Pacific Ocean (various sites)

Water Body	Pacific Ocean (various sites)
Stressor/Media/Beneficial Use	Total coliform, E. coli, Enterococcus, nitrate, phosphate, sulfate, turbidity, Dissolved Oxygen, temperature, conductivity, pH/water/all ocean-bay uses
Data quality assessment. Extent to which data quality requirements met.	Santa Barbara Channel Keeper
Linkage between measurement endpoint and beneficial use or standard	Measurements related to REC1 BU
Utility of measure for judging if standards or uses are not attained	Unknown
Water Body-specific Information	Unknown
Data used to assess water quality	Data indicates high bacteria concentrations but not impairment. Data supplemented with data from SB County Public Health Dept., leading to three beaches to be listed.
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Do not list (Evidence does not support listing)
SWRCB Staff Recommendation	Exclude from List

Region 3

Santa Barbara Channel/various sites

Water Body	Santa Barbara Channel/various sites
Stressor/Media/Beneficial Use	Total coliform, E. coli, Enterococcus, nitrite, phosphate, sulfate, turbidity, Dissolved Oxygen Temperature, conductivity and pH/water
Data quality assessment. Extent to which data quality requirements met.	Santa Barbara County Creek Watchers (no QA Procedures)
Linkage between measurement endpoint and beneficial use or standard	Linked to Aquatic Life, REC1 and Drinking Water
Utility of measure for judging if standards or uses are not attained	Data indicates high bacteria concentration, but not enough samples to indicate impairment. In addition, QA procedures were not used.
Water Body-specific Information	Date 1 year old (collected during 01-02)
Data used to assess water quality	250 sample events
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Numerical
Use of standard method	No QA
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Do not list (No QA)
SWRCB Staff Recommendation	Exclude from list

Region 3

Selected sites in Monterey Bay

Water Body	Selected sites in Monterey Bay
Stressor/Media/Beneficial Use	Nickel, chromium, arsenic/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	1998 Master Thesis by Anuraag Gill (San Lorenzo Valley Water District)
Linkage between measurement endpoint and beneficial use or standard	Linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Unknown
Water Body-specific Information	Unknown
Data used to assess water quality	Unknown
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Natural geologic sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Do not list
SWRCB Staff Recommendation	Exclude from list

Region 3

Upper Salinas River/tributaries

Water Body	Upper Salinas River/tributaries
Stressor/Media/Beneficial Use	Temperature, nutrients, turbidity, Dissolved Oxygen/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Las Tablas Resource Conservation District (no QA/QP program provided)
Linkage between measurement endpoint and beneficial use or standard	Linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Linked to Aquatic Life
Water Body-specific Information	Unknown
Data used to assess water quality	Most station only have one to two sampling event. The station with the highest number of samples had four sampling events.
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Do not list (no QA and not enough data to determine water quality conditions)
SWRCB Staff Recommendation	Exclude from list

Region 3

Santa Ynez watershed, San Antonio watershed, Santa Maria

Water Body	Santa Ynez watershed, San Antonio watershed, Santa Maria Watershed, Salinas watershed and San Benito Watershed
Stressor/Media/Beneficial Use	No additional impairments
Data quality assessment. Extent to which data quality requirements met.	USGS
Linkage between measurement endpoint and beneficial use or standard	NA
Utility of measure for judging if standards or uses are not attained	narrative objective: Waters shall be free of changes in turbidity that cause nuisance or adversely affect beneficial uses.
Water Body-specific Information	NA
Data used to assess water quality	NA
Spatial representation	NA
Temporal representation	NA
Data type	NA
Use of standard method	NA
Potential Source(s) of Pollutant	NA
Alternative Enforceable Program	NA
RWQCB Recommendation	Do not list (no additional impairments)
SWRCB Staff Recommendation	Exclude from list

Region 3

Carpinteria

Water Body	Carpinteria
Stressor/Media/Beneficial Use	Virus/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and beneficial use or standard	Linked to REC1
Utility of measure for judging if standards or uses are not attained	Virus detection methodology not conclusive enough to indicate a virus problem, 30% of the samples has positive results for presence of a virus. There are too few virus data points during the most sensitive period (typically winter for pathogens).
Water Body-specific Information	Unknown
Data used to assess water quality	Unknown
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Not approved methodologies
Potential Source(s) of Pollutant	
Alternative Enforceable Program	
RWQCB Recommendation	Do not list
SWRCB Staff Recommendation	Exclude from list

Region 3

City College Beach (Leadbetter Beach)

Water Body	City College Beach (Leadbetter Beach)
Stressor/Media/Beneficial Use	Virus/water/REC1
Data quality assessment. Extent to which data quality requirements met.	No QAPP
Linkage between measurement endpoint and beneficial use or standard	Linked to REC1
Utility of measure for judging if standards or uses are not attained	These water bodies are already covered by the existing 303(d) list. Bacteria and pathogen improvements recommended through TMDLs for these waters will also result in virus improvement
Water Body-specific Information	Unknown
Data used to assess water quality	Unknown
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Not an approved methodology.
Potential Source(s) of Pollutant	
Alternative Enforceable Program	
RWQCB Recommendation	Do not list
SWRCB Staff Recommendation	Exclude from list

Region 3

Mission Creek Beach

Water Body	Mission Creek Beach
Stressor/Media/Beneficial Use	Virus/water/REC1
Data quality assessment. Extent to which data quality requirements met.	No QAPP
Linkage between measurement endpoint and beneficial use or standard	Linked to REC1
Utility of measure for judging if standards or uses are not attained	These water bodies are already covered by the existing 303(d) list. Bacteria and pathogen improvements recommended through TMDLs for these waters will also result in virus improvement
Water Body-specific Information	Unknown
Data used to assess water quality	Unknown
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Not an approved methodology.
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Do not list
SWRCB Staff Recommendation	Exclude from list

Region 3

Arroyo Burro Beach

Water Body	Arroyo Burro Beach
Stressor/Media/Beneficial Use	Virus/water/REC1
Data quality assessment. Extent to which data quality requirements met.	No QAPP
Linkage between measurement endpoint and beneficial use or standard	Linked to REC1
Utility of measure for judging if standards or uses are not attained	These water bodies are already covered by the existing 303(d) list. Bacteria and pathogen improvements recommended through TMDLs for these waters will also result in virus improvement
Water Body-specific Information	Unknown
Data used to assess water quality	Unknown
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Not an approved methodology.
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Do not list
SWRCB Staff Recommendation	Exclude from list

Region 3

Salinas River (upper)

Water Body	Salinas River (upper)
Stressor/Media/Beneficial Use	Sodium/water/Ag and Drinking Water
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Sodium is linked to Agriculture and Drinking water BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	32 water samples, 32 samples exceeding (100%) WQO violations
Spatial representation	3 Stations
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Urban Runoff, Pasture Lands
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo Creek

Water Body	San Lorenzo Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	15 bacteria samples, 9 samples exceeding (60%) WQO violations, Station LOK 15 samples exceeding (100% violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Urban Runoff, Pasture Lands and Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Luis Obispo Creek at the mouth

Water Body	San Luis Obispo Creek at the mouth
Stressor/Media/Beneficial Use	Polychlorinated biphenyls (PCBs)/tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology, TSMP
Linkage between measurement endpoint and beneficial use or standard	PCB MTRLS linked to Fish Consumption.
Utility of measure for judging if standards or uses are not attained	CTR for MTRLS in freshwater
Water Body-specific Information	Data 1 year old, data collected at site (composite sample of 20 whole fish), species present at site, one time sample event
Data used to assess water quality	1 composite sample, 1 Sample exceeding
Spatial representation	One sample (composite of 20 fish)
Temporal representation	One time sampling event in spring
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Unknown Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List (PCBs MTRLS exceedance in fish tissue)/Watch List (not enough samples to list)
SWRCB Staff Recommendation	Watch List (not enough samples to list)

Region 3

Santa Maria River

Water Body	Santa Maria River
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	33 bacteria samples, 17 samples exceeding (52%) WQO violations
Spatial representation	Unknown
Temporal representation	3 Stations
Data type	Monthly sampling events
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture Lands, Urban Runoff, Agriculture, Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Santa Maria River

Water Body	Santa Maria River
Stressor/Media/Beneficial Use	Nutrients (nitrate)/water/Drinking Water BU
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Nutrient (Nitrate) linked to Drinking water BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1 year
Data used to assess water quality	23 water samples, 23 samples exceeding (100%) WQO violations
Spatial representation	2-3 sites
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Urban Runoff, Agriculture and Pasture Lands
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Tembladero Slough

Water Body	Tembladero Slough
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	8 bacterial samples, 5 samples exceeding (63%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture Lands, Urban Runoff, Agriculture, Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Tesquita Slough

Water Body	Tesquita Slough
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 4-5 years
Data used to assess water quality	16 bacteria samples, 10 samples exceeding (63%) WQO violations
Spatial representation	1 station
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Nonpoint Sources and Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed -Bean Creek

Water Body	San Lorenzo River Watershed -Bean Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and beneficial use or standard	Geomorphological data linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data 1-3 years old, Samples collected from site, one time sample event.
Data used to assess water quality	Riffle/Run Embeddedness = 50% samples exceed at site 14a, 60% samples exceed at site 14b, 52% samples exceed at Site B-1, 50% samples exceeded at Site B-2, 60% samples exceeded at Site B-3 and 49% samples exceeded at B-4. For Fine Sediment in Riffles 45% exceeded at Site 14a, 42% samples exceeded at Site B-2 and 55% samples exceeded at Site B-3. For D50: 37mm (minimum for a reach) 24mm for site B-1, 25mm for site B-2 and 6mm for Site B-3 (Sample size is unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, residential use, roads, quarry
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Bear Creek

Water Body	San Lorenzo River Watershed-Bear Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and beneficial use or standard	Geomorphological data linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data 1-3 years old, Samples collected from site, one time sample event.
Data used to assess water quality	Riffle/Run Embeddedness = 37.5% samples exceed at site 18a, and 40% samples exceed at site 18b. (Sample size unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, residential use, vineyards and timber
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Bear Creek

Water Body	San Lorenzo River Watershed-Bear Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and beneficial use or standard	Geomorphological data linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data 1-3 years old, Samples collected from site, one time sample event.
Data used to assess water quality	Riffle/Run Embeddedness = 40% samples exceed at Site 17a, 37.5% samples exceed at Site 17b and 45% samples exceed at Site 17c. (Sample size unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, residential use, recreation and timber
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Bradley Canyon Creek

Water Body	Bradley Canyon Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	25 Bacteria samples, 15 samples exceeding (60% WQO violations)
Spatial representation	3 Stations
Temporal representation	Monthly sampling events, excluding the dry season.
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Pasture Lands , Urban Runoff, Storm water, Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Cholame Creek

Water Body	Cholame Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	10 bacterial samples, 8 samples exceeding (80% WQO violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events, excluding the dry season.
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture lands, nonpoint sources, natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Gabilan Creek

Water Body	Gabilan Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	6 bacteria samples, 6 sample exceeding (100% WQO violation)
Spatial representation	1 site
Temporal representation	Spring and winter sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Urban Runoff, Natural Sources, Nonpoint sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Llagas Creek

Water Body	Llagas Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 3-4 years
Data used to assess water quality	41 bacteria samples, 26 samples exceeding (63% WQO violations)
Spatial representation	3 Stations
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture lands, nonpoint sources, natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Llagas Creek

Water Body	Llagas Creek
Stressor/Media/Beneficial Use	Chloride/water/Drinking Water BU
Data quality assessment. Extent to which data quality requirements met.	Used South County Regional Wastewater Authority (SCRWA) QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Chloride is linked to Agriculture and Drinking water BU
Utility of measure for judging if standards or uses are not attained	Site-specific WQO exceedances
Water Body-specific Information	Data age = 2-10 years
Data used to assess water quality	78 water samples, 78 samples exceeding (100% WQO violations)
Spatial representation	4 Stations
Temporal representation	Quarterly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Nonpoint and point sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Llagas Creek

Water Body	Llagas Creek
Stressor/Media/Beneficial Use	Dissolved Oxygen/water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used SCRWA QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Dissolved Oxygen is linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-4 years
Data used to assess water quality	128 water samples, 84 samples exceeding (66% WQO violations)
Spatial representation	4 Stations
Temporal representation	Quarterly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Nonpoint and point sources, Unknown sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Llagas Creek

Water Body	Llagas Creek
Stressor/Media/Beneficial Use	Sodium/water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used SCRWA QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Sodium is linked to Agriculture, Aquatic Life and Drinking water BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-10 years
Data used to assess water quality	78 water samples, 60 sample exceeding (77%) WQO violations
Spatial representation	4 Stations
Temporal representation	Quarterly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Nonpoint and unknown sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Llagas Creek

Water Body	Llagas Creek
Stressor/Media/Beneficial Use	TDS/water/Aquatic life and Agriculture
Data quality assessment. Extent to which data quality requirements met.	Used SCRWA QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	TDS is linked to Aquatic Life and Agriculture BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-4 years
Data used to assess water quality	90 water samples, 90 sample exceeding (100% WQO violations)
Spatial representation	4 Stations
Temporal representation	Quarterly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Nonpoint and point sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Los Osos Creek

Water Body	Los Osos Creek
Stressor/Media/Beneficial Use	Dissolved Oxygen/water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used Morro Bay National Monitoring Program (MBNMP) QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Dissolved Oxygen is linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 3-7
Data used to assess water quality	359 water samples, 253 samples exceeding (64% WQO violations)
Spatial representation	3 Stations
Temporal representation	Sampled during all seasons.
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Urban Runoff, Pasture Lands, Unknown Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Main Street Canal

Water Body	Main Street Canal
Stressor/Media/Beneficial Use	Nutrients (nitrate)/water/Drinking Water BU
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Nitrate linked to Drinking Water BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	10 water samples, 6 samples exceeding (60% WQO violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Nonpoint Sources and Urban Runoff
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Nipomo Creek

Water Body	Nipomo Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	25 bacteria samples, 18 exceeding samples (72% WQO violations)
Spatial representation	2 sites
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above.
Potential Source(s) of Pollutant	Urban Runoff, Agriculture, Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Orcutt Solomon Creek

Water Body	Orcutt Solomon Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	50 bacteria samples, 31 samples exceeding (62% WQO violations)
Spatial representation	3 sites
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture lands, nonpoint sources, natural sources and Agriculture
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Olso Flaco Lake

Water Body	Olso Flaco Lake
Stressor/Media/Beneficial Use	Nutrients(Nitrate)/water/Drinking Water BU
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Unknown
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	55 water samples, 55 samples exceeding (100% WQO violations)
Spatial representation	3 Stations
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture and nonpoint sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

South Coast/Pacific Ocean @ Arroyo Quemado Beach

Water Body	South Coast/Pacific Ocean @ Arroyo Quemado Beach
Stressor/Media/Beneficial Use	Total coliform/water/Ocean Plan Shellfish Harvest, REC1
Data quality assessment. Extent to which data quality requirements met.	Used Santa Barbara County Public Health Dept. (SBCPHD) QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Total coliform Linked to Shellfish Harvest BU
Utility of measure for judging if standards or uses are not attained	Ocean Plan WQO exceedances
Water Body-specific Information	Data age = 1-5 years
Data used to assess water quality	250 bacteria samples, 213 samples exceeding (85% WQO violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture Lands, Agriculture, Nonpoint and natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

South Coast/Pacific Ocean @ Arroyo Quemado Beach

Water Body	South Coast/Pacific Ocean @ Arroyo Quemado Beach
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used SBCPHD QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	Ocean Plan WQO exceedances
Water Body-specific Information	Data age = 1-5 years
Data used to assess water quality	250 bacteria samples 143 samples exceeding (57% WQO violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture Lands, Agriculture, Nonpoint and natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

South Coast/Pacific Ocean @ Jalama Beach

Water Body	South Coast/Pacific Ocean @ Jalama Beach
Stressor/Media/Beneficial Use	Total coliform/water/Ocean Plan Shellfish Harvest, REC1
Data quality assessment. Extent to which data quality requirements met.	Used SBCPHD QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Total coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	Ocean Plan WQO exceedances
Water Body-specific Information	Data age = 1-5 years
Data used to assess water quality	222 bacteria samples, 118 samples exceeding (53% WQO violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture Lands, Agriculture, Nonpoint and natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

South Coast/Pacific Ocean @ Jalama Beach

Water Body	South Coast/Pacific Ocean @ Jalama Beach
Stressor/Media/Beneficial Use	Fecal coliform/water/Ocean Plan Shellfish harvest, REC1
Data quality assessment. Extent to which data quality requirements met.	Used SBCPHD QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform is linked to Shellfish Harvest
Utility of measure for judging if standards or uses are not attained	Assembly Bill Beach Posting exceedances
Water Body-specific Information	Data age = 1-5 years
Data used to assess water quality	222 bacteria samples, 111 samples exceeding (50% WQO violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture Lands, Agriculture, Nonpoint and natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

South Coast/Pacific Ocean @ Mission Creek (East Beach)

Water Body	South Coast/Pacific Ocean @ Mission Creek (East Beach)
Stressor/Media/Beneficial Use	Total coliform/water/Ocean Plan Shellfish Harvest, REC1
Data quality assessment. Extent to which data quality requirements met.	Used SBCPHD QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Total coliform Linked to Shellfish Harvest BU
Utility of measure for judging if standards or uses are not attained	Assembly Bill Beach Posting exceedances
Water Body-specific Information	Data age = 1-6 years
Data used to assess water quality	262 bacteria samples, 181 samples exceeding (69%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Urban Runoff, Non point sources, Unknown sources, Agriculture
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

South Coast/Pacific Ocean @ Mission Creek (East Beach)

Water Body	South Coast/Pacific Ocean @ Mission Creek (East Beach)
Stressor/Media/Beneficial Use	Fecal coliform/water/Ocean Plan REC1
Data quality assessment. Extent to which data quality requirements met.	Used SBCPHD QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	Ocean Plan WQO exceedances
Water Body-specific Information	Data age = 1-6 years
Data used to assess water quality	262 bacteria samples, 160 samples exceeding (61%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Urban Runoff, Agriculture, Natural Source, Non point sources and unknown sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Pajaro River

Water Body	Pajaro River
Stressor/Media/Beneficial Use	Fecal coliform/water/BP WQO
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 3-5 years
Data used to assess water quality	11 bacteria samples, 10 samples exceeding (90%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture lands, Agriculture, and natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Quail Creek

Water Body	Quail Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	6 bacteria samples, 4 samples exceeding (63%) WQO violations
Spatial representation	1 site
Temporal representation	Spring and winter sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture lands, Agriculture, and natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Salinas Reclamation Canal

Water Body	Salinas Reclamation Canal
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	37 bacteria samples, 33 samples exceeding (89%) WQO violations
Spatial representation	3 Stations
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Urban runoff, Pasture Lands, Natural Sources and Agriculture
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Reference List for Region 3

Staff Report

California Regional Water Quality Control Board. Central Coast Region. 2001. Staff Report for the Regular Meeting of October 26, 2001. Subject: Changes to 303(d) List of Impaired Water Bodies. October 4, 2001.

Contacts

Al Haynes. San Lorenzo Valley Water District

California Department of Pesticide Regulation, 1001 I Street, P.O. Box 4015, Sacramento, CA 95812-4015

Chris Berry. City of Santa Cruz Water Department

Cindy H. Wu, Environmental Health Technician, Ocean Water Monitoring Program. Santa Barbara County Public Health Dept

Don Funk. Upper Salinas-Las Tablas Resource Conservation District/Upper Salinas Watershed Coalition

Eric Kingsley, Water Quality Specialist. Monterey Bay Aquarium

Jessica Altstatt. Santa Barbara Channel Keeper

Jill Carlson. Santa Barbara County Creek Watchers

John Hunt, Research Specialist.

Nina Gill. (Masters Thesis)

Patricia A Shiffer. United States Geological Survey

Southern California Alliance of Publicly Owned Treatment Works. 30200 Rancho Viejo Rd, Suite B, San Juan Capistrano, CA 92675

U.S. Department of the Air Force.

Regional Board Documents/Data

Al Haynes. San Lorenzo Water District

Brian Troutwein, Environmental Analyst. Environmental Defense Center

Chris Berry. City of Santa Cruz Water Department

Chris Rose. RWQCB #3

Danial Reid, Project Manager. Public Health Department, Environmental Health Services

Danial Reid, Project Manager. Santa Barbara County, Public Health Department, Environmental Health Services

David Smith. United States Environmental Protection Agency

Drew Bohan, Executive Director. Santa Barbara Channel Keeper

Heal the Ocean, September 13, 2001.

James Nelson, President Board of Directors. San Lorenzo Water District

Jodi Frediani, Executive Director. Citizens for Responsible Forest Management

Kevin Collins, Board President. Lompico Watershed Conservancy

Matt Fabry. RWQCB #3

Patricia Anderson, Associate Fishery Biologist. California Department of Fish and Game

Robert N. Tasto, Supervisor. Project Review and Water Quality Program, Marine Region, Department of Fish and Game,

Sharyn Main. South Coast Watershed Alliance

Southern California Alliance of Publicly Owned Treatment Works. 30200 Rancho Viejo Rd, Suite B, San Juan Capistrano, CA 92675

Stephen F. Mack, Water Supply Manager. City of Santa Barbara

University of Southern California. University of Southern California

Regional Water Quality Control Board

LOS ANGELES REGION (4)



SECTION 303 (d) LIST PROPOSALS

Region 4 Summary of Recommendations

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Ballona Creek Estuary	Aroclor/Tissue/Aquatic Life	Delist (Listed for PCBs)	Maintain Listing (Data presented does not support delisting because it is unrelated to PCBs or Aroclor in tissue).
Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)	Fecal Coliform/Water/REC1	List	List
Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)	Nitrate as Nitrate/Water/groundwater recharge	List	List
Conejo Creek R9A (tributary to Calleguas Creek) (Lower part of Former Conejo Creek R 1)	Stressor unknown/Water column toxicity/Aquatic Life	Delist (Result from testing one site downstream of Camrosa WWTP for chronic water column toxicity using fathead minnow and Ceriodaphnia)	Maintain Listing (Need more data to delist. Information from toxicity testing is unclear).
Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)	Dissolved Oxygen/Water/Aquatic Life	Delist (Meets Basin Plan objective for dissolved oxygen)	Delist
Calleguas Creek R9B, Conejo Creek Main Stem	Fecal Coliform/Water/REC1	List	List
Ballona Creek	Arsenic/Tissue/Aquatic Life	Delist (There is not an MTRL for arsenic)	Delist
Ballona Creek	Chem A/Tissue/Aquatic Life	Delist (Listed on old NAS guideline, which are no longer represent valid assessment guidelines)	Maintain Listing until new or alternate comparison value is available.
Ballona Creek	Copper/Tissue/Aquatic Life	Delist (EDLs not a valid assessment guideline)	Delist (EDLs not linked to Beneficial Uses)
Ballona Creek	Lead/Tissue/Aquatic Life	Delist (EDLs not a valid assessment guideline)	Delist (EDLs not linked to Beneficial Uses)

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Ballona Creek	Silver/Tissue/Aquatic Life	Delist (EDLs not a valid assessment guideline)	Delist (EDLs not linked to Beneficial Uses)
Ballona Creek	TBT/sediment/Aquatic Life	Delist (Not a valid assessment guidelines for TBT)	Delist (MTRLs not linked to Aquatic Life)
Avolon Beach-Santa Catalina Island	Bacteria counts/Water/REC1	List	List
Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)	Chromium/Tissue/Aquatic Life	Delist (EDLs is not longer a valid assessment guideline)	Delist
Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)	Nickel/Tissue/Aquatic Life	Delist (EDLs is not longer a valid assessment guideline)	Delist
Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)	Silver/Tissue/Aquatic Life	Delist (EDLs is not longer a valid assessment guideline)	Delist
Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)	Selenium/Tissue/Aquatic Life	Delist (EDLs is not longer a valid assessment guideline)	Delist
Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)	Zinc/Tissue/Aquatic Life	Delist (EDLs is not longer a valid assessment guideline)	Delist
Ballona Wetland	Arsenic/Tissue/Fish Consumption	Delist (No longer an MTRLs for arsenic)	Delist
Ballona Creek Watershed	pH/Water/Aquatic life, Warm freshwater habitat and wildlife habitat	List	List
Ballona Creek Watershed	Dissolved Zinc/Water/Aquatic Life, warm water and freshwater, wildlife habitat	List (10% exceedance for zinc)	List
Ballona Creek Watershed	Total Selenium/Water/Aquatic Life, warm water and freshwater, wildlife habitat	List (10% exceedances for total selenium)	Watch List (Not enough samples exceeding to list)

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Ballona Creek Watershed	Dissolved copper/Water/Aquatic Life, warm water and freshwater, wildlife habitat	List	List
Ballona Creek Watershed	Dissolved lead/Water/Aquatic Life, warm water and freshwater, wildlife habitat	List (10% exceedance for dissolved lead)	List
Castlerock Beach-Santa Monica Bay	Total Coliform/Water/REC1	List	List
Calleguas Creek R1 (estuary to 0.5 mi South of Broome Rd.) and R2 (0.5 mi South Broome Rd to Potrero Rd)	Chem A/Tissue/Aquatic Life	Delist (Based on NAS old guidelines, and can be listed using MTRLs exceedances)	Maintain Listing (NAS guidelines are useful for Aquatic Life protection. Use this guideline until an alternate value available).
Calleguas Creek R1 (estuary to 0.5 mi South of Broome Rd.) and R2 (0.5 mi South Broome Rd to Potrero Rd)	Dacthal/Tissue/Aquatic Life	Delist (EDLs are no longer a valid assessment guideline)	Delist (EDLs not linked to BU Protection)
Calleguas Creek R2	Fecal Coliform/Water/REC1	List	List
Calleguas Creek R2	Dissolved Copper/Water column/Aquatic Life	List	List
Calleguas Creek R2	Stressor unknown/Water column toxicity/Aquatic Life	Delist (Result from testing one site downstream of Camrosa WWTP for chronic water column toxicity using fathead minnow and Ceriodaphnia)	Delist
Calleguas Creek R2	DDT/Water column/Aquatic Life	List	List
Calleguas Creek R4	Fecal Coliform/Water/REC1	List	List (Enough samples exceeded the 400 MPN, however it is unclear how many samples exceeded 200 MPN)
Calleguas Creek R4, Revolon Slough	Chloride/Water/Agriculture and Groundwater recharge	List	Watch List (TMDL in progress)

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Calleguas Creek R4, Revolon Slough	Boron/Water/Basin Plan WQO	List	List
Calleguas Creek R4, Revolon Slough	Nitrate as Nitrate/Water/Groundwater recharge	List	List
Revolon Slough Main Branch: Mugu Lagoon to Central Avenue	Dacthal/sediment/ Aquatic Life	Delist (No valid approved guidelines for Dacthal)	Delist
Revolon Slough Main Branch: Mugu Lagoon to Central Avenue	Dacthal/Tissue/ Aquatic Life	Delist (EDLs not a valid assessment guideline)	Delist
Revolon Slough Main Branch: Mugu Lagoon to Central Avenue	Chem A/Tissue/Aquatic Life	Delist (NAS guidelines were old and can be listed for exceedances of MTRLs)	Maintain Listing until better guideline is available.
Calleguas Creek R4, Revolon Slough	Sulfate/Water/WQO for sulfate	List	List
Calleguas Creek R4, Revolon Slough	TDS/Water/WQO	List	List
Calleguas Creek R6, Arroyo Las Posas	Nitrate as Nitrate/Water/Groundwater recharge	List	List
Calleguas Creek R6, Arroyo Las Posas	Fecal Coliform/Water/REC1	List	List
Calleguas Creek-Arroyo Simi R7	No pollutant ID (TIE implicated Diazinon and NH3 for water column toxicity/Water /Aquatic Life	List (Water column toxicity which affects aquatic life beneficial use)	Exclude from list (More information is required to determine listing, no pollutant identified)
Calleguas Creek-Arroyo Simi R7	Fecal Coliform/Water/REC1	List	List
Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)	Nitrate as Nitrogen/Water/groundwater recharge	List	List

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)	Nitrite as Nitrogen/Water/groundwater recharge	List	List
Calleguas Creek R10 (Conejo Creek, Hill Canyon)	Fecal Coliform/Water/REC1	List	List
Calleguas Creek R10 (Conejo Creek, Hill Canyon)	Nitrate as Nitrogen/Water/groundwater recharge	List (Greater than 10 % exceedance of nitrite as nitrogen objective as stated in Basin Plan)	Watch List (Not enough samples exceeding to list)
Calleguas Creek R10 (Conejo Creek, Hill Canyon)	Dissolved Oxygen/Water/Aquatic Life and warm water habitat	Delist (It meets the Basin Plan objective for dissolved oxygen)	Delist (Not enough exceeding samples to continue listing)
Calleguas Creek R10 (Conejo Creek, Hill Canyon)	Chloride/Water/ Agriculture	List	List
Calleguas Creek Watershed-Conejo Creek R9B	Unnatural Foam and Scum/Water/REC1,REC2, Aquatic Life	List (Non attainment of the narrative objective for floating and settleable materials objective in the Basin Plan)	Watch List (The cause of the foam and scum may be caused by nutrient enrichment but these pollutants are not discussed. Unable to quantify photographs in terms of aquatic life protection).
Calleguas Creek Watershed	Sedimentation/sediment/Aquat ic Life	List (Due to excessive sedimentation)	Watch List (No data. Listing was based on a narrative bioassessment report by DFG)
Calleguas Creek R11, Arroyo Santa Rosa	Fecal Coliform/Water/REC1	List	List
Calleguas Creek R11, Arroyo Santa Rosa	Dissolved Oxygen/ Water/Warm water habitat	Delist (Waterbody meets the Basin Plan objective for dissolved oxygen)	Delist
Calleguas Creek R13, Conejo Creek, South Fork	Chloride/Water/ Agriculture	List (Numerical values linked to Agriculture BU)	List
Los Cerritos Channel	Chlordane/sediment/Aquatic Life	List	List

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Malibu Creek Watershed-Malibu Lagoon	pH/Water/Aquatic Life	List	List
Malibu Creek Watershed-Cold Creek	Algae - Rec1 and REC2, spawning, rare and endangered species, Aquatic Life, Warm and cold, wildlife freshwater habitat	List (Observation of excessive algal growth-greater than 30% coverage, based on Biggs, 2000)	Watch List (Algae was identified as the stressor, unclear on the cause of algae growth. Cannot determine if a pollutant is the cause).
Malibu Creek Watershed (Malibu Creek, Las Virgenes Creek, Triunfo Creek and Medea Creek)	Sedimentation/Water/ Aquatic Life	List (Due to excessive sedimentation, Letter from DFG)	List
Malibu Creek Watershed-Malibu Creek	Total Selenium/Water/Aquatic Life, warm and cold freshwater and wildlife habitat, rare and endangered sp., REC1 and 2, migration of aquatic org, spawn-repro	List (Greater than one exceedance of the total selenium chronic water quality criterion to protect freshwater aquatic life)	Watch List (Not adequate number of samples and the exceeding CTR/BP WQO criteria). Also, the 2 exceeding sample were in the same month and year.
Marina del Rey Harbor-Back Basin	No stressor/Tissue/Aquatic Life	Delist	Maintain Listing (MTRLs not linked to Aquatic Life BU, no stressor identified)
Marina del Rey Harbor-Back Basin	TBT/Tissue/Aquatic Life	Delist (EDLs no longer represent a valid assessment guideline)	Delist
Marina del Rey Harbor-Back Basin	Zinc/Tissue/Aquatic Life	Delist (EDLs does not represent a valid assessment guideline)	Delist
Marina del Rey Harbor-Back Basin	Copper/Tissue/Aquatic Life	Delist (EDLs does not represent a valid assessment guideline)	Delist
Marina del Rey Harbor-Back Basin	Lead/Tissue/Aquatic Life	Delist (EDLs does not represent a valid assessment guideline)	Delist
Marina del Rey Harbor-Back Basin	DDT/sediment/Aquatic Life	Delist (DDT sediment concentrations have dropped below ERM-PEL guidelines)	Delist
Marina del Rey Harbor-Back Basin	PCBs/sediment/Aquatic Life	List	List

Summary of Recommendations 4-6

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Malibu Creek Watershed	Sedimentation/Water/Aquatic Life	List (Due to excessive sedimentation)	List
McGrath Lake	Fecal Coliform/Water/REC1	List	List
McGrath Lake Estuary	PCBs/sediment/Aquatic Life	List	List
McGrath Lake Estuary	Dieldrin/sediment/ Aquatic Life	List	Watch List (Alternate enforcement program in place)
McGrath Lake Estuary	Total pesticides/sediment/ Aquatic Life	Change in listing (Because individual chemical can be listed for exceedances of ERM-PELs)	Change in listing, (Chemicals can be listed individually)
Malibou Lake	Copper/Tissue/Aquatic Life	Delist (EDLs are not a represent valid assessment guidelines)	Delist
Malibou Lake	Chlordane/Tissue/ Aquatic Life	Delist (Based on one sample which is now below the MTRL and chlordane was not detected in 1997)	Maintain Listing until more data is available.
Malibou Lake	PCB/Tissue/Aquatic Life	Delist (PCBs in tissue were not detected in 1992 and 1997)	Delist
Mugu Lagoon	Dieldrin/Tissue/Aquatic life	List (Exceedance in MTRLs)	Watch List (MTRLs are not linked to Aquatic Life and listing based on one sample)
Mugu Lagoon	Dacthal/Tissue/Aquatic Life	Delist (No approved guidelines for Dacthal in tissue)	Delist (Tissue samples not linked to Aquatic life BU and no approved guidelines for Dacthal)
Port Hueneme (back basins)	PAHs/sediment/Aquatic Life	Delist (PAHs appear to be low throughout most of the back basin area based on Army Corps of Engineers data)	Delist (Low pollutant concentration levels)

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Port Hueneme (back basins)	TBT/Tissue and sediment/Aquatic Life	Delist (There are no tissue assessment guidelines for TBT)	Delist (No foundation for listing. Measurement not applicable because there are no tissue assessment guidelines for TBT and sediment levels are low)
Port Hueneme (back basins)	Zinc/Tissue and sediment/Aquatic Life	Delist (There are no tissue assessment guidelines for zinc)	Delist (Measurements for zinc in sediment levels are low)
Rio de Santa Clara/Oxnard Drain #3	Chem A/Tissue/Fish Consumption	Delist (NAS guidelines were old and individual compounds can be listed for exceedances of MTRLs)	Delist
San Gabriel River Watershed-Reach 2	Dissolved Zinc/Water/Aquatic Life	List (The waterbody has a greater than 10% exceedance of dissolved zinc recommended water criteria for protection of fresh water aquatic life.)	List
San Gabriel River Watershed-Reach 2	Dissolved copper/Water/Aquatic Life	List	List
San Gabriel River Watershed-Coyote Creek	Dissolved Zinc/Water/Aquatic Life	List	List
San Gabriel River Watershed-Coyote Creek	Dissolved copper/Water/Aquatic Life	List	List
San Gabriel River Watershed-Coyote Creek	Dissolved Lead/Water/Aquatic Life	List	List
San Gabriel River Watershed-Coyote Creek	Total Selenium/Water/Aquatic Life	List	List
San Gabriel River Watershed-San Jose Creek	pH/Water/Aquatic Life	List (pH exceedance above 8.5)	List
San Gabriel River Watershed- Estuary	Arsenic/Tissue/ Fish Consumption	Delist (There is no longer a MTRL for arsenic)	Delist

Summary of Recommendations 4-8

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
San Gabriel River Estuary	Trash/Water/REC1 and 2, wildlife	List (Non-attainment of the narrative objective for floating and settleable materials objective described in the basin plan)	Watch List (Alternative enforceable program in place).
San Gabriel Watershed- Estuary	Ammonia as Nitrogen/Water/Aquatic Life	List	List
Santa Clara River Estuary	Chem A/Tissue/no BU or WQO presented	Delist (Based on old NAS Guidelines)	Maintain Listing (NAS guideline should be used until alternate value is available).
Santa Clara River Estuary Beach	Total Coliform/Water/REC1	Delist	Delist
Santa Clara River Estuary Beach	Fecal Coliform/Water/REC1	Delist	Delist
Santa Clara River R 3 (Freeman Diversion to Fillmore Street A)	Nitrite and Nitrate as Nitrogen/Water/Agriculture and Groundwater recharge	List (Exceedances in Basin Plan WQO for Nitrite as Nitrogen)	Watch List (not enough exceeding samples to list)
Santa Clara River R 3 (Freeman Diversion to Fillmore Street A)	Nitrite as Nitrogen/Water/Agriculture and Groundwater Recharge	List	List
Santa Clara River R 3 (Freeman Diversion to Fillmore Street A)	Total Dissolved Solids/Water/Groundwater Recharge and Agriculture	List	Exclude from list (Not enough exceeding samples to list)
Pole Creek/Canyon Tributary to Santa Clara River R3 (Freeman Diversion to Fillmore Street A)	Sulfate/Water/Agriculture	List	List
Pole Creek/Canyon Tributary to Santa Clara River R3 (Freeman Diversion to Fillmore Street A)	TDS/Water/Agriculture	List	List
Sespe Creek Tributary to Santa Clara River Reach 3 (Freeman Diversion to Fillmore Street A)	Chloride/Water/Aquatic Life and Agriculture	List	List

Summary of Recommendations 4-9

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Sespe Creek Tributary to Santa Clara River Reach 3 (Freeman Diversion to Fillmore Street A)	pH/Water/Aquatic Life and Agriculture	List	List
Hopper Creek Tributary to Santa Clara River Reach 4 (Fillmore Street Blue Cut Gauging Station)	Sulfate/Water/Agriculture	List	List
Hopper Creek Tributary to Santa Clara River Reach 4 (Fillmore Street Blue Cut Gauging Station)	TDS/Water/Agriculture	List	List
Piru Creek Tributary to Santa Clara River Reach 4 (Fillmore A Street and Blue Cut Gauging Station)	pH/Water/Aquatic Life	List	List
Todd Barranca-Wheeler Creek/Canyon Tributary to Santa Clara River R3 (Freeman Diversion to Fillmore Street A)	Sulfate/Water/Agriculture	List	List
Todd Barranca-Wheeler Creek/Canyon Tributary to Santa Clara River R3 (Freeman Diversion to Fillmore Street A)	TDS/Water/Agriculture	List	List
LA Harbor-Consolidated Slip	Arsenic/sediment/Aquatic Life and COMM	List (Due to exceedances of ERM- PELs)	Watch List (BPTCP enforceable program in place)
LA Harbor-Consolidated Slip	Cadmium/sediment/Aquatic Life	List	Watch List (BPTCP enforceable program in place)
LA Harbor-Consolidated Slip	Copper/sediment/Aquatic Life and COMM BU	List	Watch List (BPTCP enforceable program in place)
LA Harbor-Consolidated Slip	Mercury/sediment/Aquatic Life and COMM BU	List	Watch List (BPTCP enforceable program in place)
LA Harbor-Consolidated Slip	Nickel/sediment/Aquatic Life and COMM BU	List	Watch List (BPTCP enforceable program in place)

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
LA Harbor-Consolidated Slip	Dieldrin/Tissue/COMM BU	List	Watch List (BPTCP enforceable program in place)
LA Harbor-Consolidated Slip	Toxaphene/Tissue/COMM BU	List (Due to exceedances in MTRLs)	Watch List (BPTCP enforceable program in place)
LA Harbor-Consolidated Slip	TBT/Tissue/COMM BU	Delist (Listing was based on exceeding background levels rather than valid assessment of guidelines. Delisting applies to LA Harbor Consolidated Slip, Fish Harbor, Inner Breakwater and Main Channel)	Delist
LA Harbor-Consolidated Slip	Zinc/Tissue/COMM BU	Delist (Listing was based on exceeding background levels rather than valid assessment guidelines)	Delist
Los Angeles River Reach 1	Total Aluminum/Water/Groundwater Recharge	List	List
Los Angeles River Reach 1	Dissolved Zinc/Water/aquatic life (warm-freshwater and wildlife habitat	List (Greater than 10% exceedance of dissolved zinc acute and chronic water quality criteria for protection of freshwater aquatic life)	List
Los Angeles River Reach 1	Dissolved Copper/ Water/aquatic life (warm-freshwater and wildlife habitat)	List (Greater than 10% exceedance of dissolved copper water quality criteria for protection of freshwater aquatic life)	List
Los Angeles River Reach 1	Dissolved Cadmium/Water/Aquatic life, Warm, wildlife	List (Greater than 10% exceedance of dissolved and total cadmium water quality criteria for protection of freshwater aquatic life and potential drinking water sources.)	List for acute and chronic effects of CTR Cadmium concentrations in water to protect aquatic life BU. Not enough exceeding samples to list for Title 22 exceedances.

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Los Angeles River R5 (within Sepulveda Basin)	Chem A/Tissue/Aquatic Life	Delist (Listing was based on old NAS guideline which no longer represent valid assessment guidelines)	Maintain listing (NAS guidelines are a valid assessment guideline and no new data presented)
Los Angeles River R5 (within Sepulveda Basin)	Chlorpyrifos/Tissue/ Aquatic Life	Delist (Listing was based on EDLs which no longer represent valid assessment guidelines)	Delist
Los Angeles River Estuary (Queensway Bay)	Lead/sediment/Aquatic Life	List	List
Los Angeles River Estuary (Queensway Bay)	Chlordane/sediment/Aquatic Life	List	List
Los Angeles River Estuary (Queensway Bay)	DDT/sediment/Aquatic Life	List	List
Los Angeles River Estuary (Queensway Bay)	PCBs/sediment/Aquatic Life	List (Due to exceedances of sediment quality guidelines ERM-PELs)	Watch List (Not enough exceeding samples to list)
Los Angeles Watershed R2-Dry Canyon Creek	Fecal Coliform/Water/REC1	List	List
Los Angeles Watershed R2-Dry Canyon Creek	Total Selenium/Water/Aquatic Life, warm freshwater and wildlife habitat	List	List
Los Angeles River R2-McCoy Canyon Creek	Nitrate as Nitrogen/Water/Groundwater recharge	List	List
Los Angeles River R2-McCoy Canyon Creek	Fecal Coliform/Water/REC1	List	List
Los Angeles River R2-McCoy Canyon Creek	Total Selenium/Water/Aquatic Life, warm freshwater and wildlife habitat	List	List
Los Angeles River R2-McCoy Canyon Creek	Nitrate as Nitrogen/Water/Groundwater recharge	List	List

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Coyote Creek	Silver/Tissue/Aquatic Life	Delist (Listing was based on EDL which no longer represents valid assessment guidelines.)	Delist (MTRLs and EDLs not linked to Aquatic Life BU)
Dominguez Channel Estuary (to Vermont)	unknown pollutant/sediment toxicity/Aquatic Life	List	Watch List (No pollutant identified and based on one sample only)
Dominguez Channel Estuary (to Vermont)	Copper/sediment/ Aquatic Life	List (Due to exceedances of ERM-PELs)	Watch List (Alternative program in place).
Dominguez Channel Estuary (to Vermont)	Chlordane/sediment/ Aquatic Life	List (Due to exceedance in ERM-PELs)	Watch List (Alternative program in place).
Dominguez Channel Estuary (to Vermont)	PCBs/sediment/ Aquatic Life	List (Due to exceedance in ERM-PELs)	Watch List (Alternative program in place).
Duck Pond Ag Drain/Mufu Drain/Oxnard Drain #2	Chem A/Tissue/Aquatic Life	Delist (Listing was based on NAS guidelines, which are outdated, and individual chemicals can be listed for exceedances in MTRLs)	Maintain Listing (MTRLs are not linked to Aquatic Life Protection, based on NAS guidelines that are old but not outdated and no new data was presented)
Harbor Park Lake	Chem A/Tissue/Aquatic Life	Delist (Listing was based on NAS guidelines, which are outdated and no longer represent valid assessment guidelines.)	Maintain Listing (NAS guideline is a valid assessment guideline and no new data was presented)
Lake Calabasas	Copper/Tissue/Aquatic Life	Delist (Listing was based on EDLs which no longer represent valid assessment guidelines)	Delist
Lake Calabasas	Zinc/Tissue/Aquatic Life	Delist (Listing was based on EDLs which no longer represent valid assessment guidelines)	Delist
Lake Lindero	Selenium/Tissue/Aquatic Life	Delist (Listing was based on MIS for trace elements, which are outdated and no longer represent valid assessment guidelines.)	Maintain listing (Use guideline until replaced by better alternate. No data on selenium presented).

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Colorado Lagoon	Lead/Tissue/Aquatic Life	Delist (Listing was based on EDLs which no longer represent valid assessment guidelines.)	Delist (No new data, old data was based on EDLs)
Conejo Creek Reach 1, Calleguas Creek Reach 13 (Confluence Call to Santa Rosa Rd)	Chlordane/Tissue/COMM BU	List (Due to exceedances of MTRLs)	List
Conejo Creek Reach 1, Calleguas Creek Reach 13 (Confluence Call to Santa Rosa Rd)	Dieldrin/Tissue/COMM BU	List (Due to exceedances of MTRLs)	List
Conejo Creek Reach 1, Calleguas Creek Reach 13 (Confluence Call to Santa Rosa Rd)	HCH/Tissue/COMM BU	List (Due to exceedances of MTRLs)	List
Conejo Creek Reach 1, Calleguas Creek Reach 13 (Confluence Call to Santa Rosa Rd)	PCBs/Tissue/COMM Life	List (Due to exceedances of MTRLs)	List
Conejo Creek R1, R2, R3, R4	Dacthal/Tissue/COMM BU	Delist (Listing were based on EDLs which no longer represent valid assessment guideline)	Delist
Conejo Creek R1, R2, R3, R4	Silver/Tissue/COMM BU	Delist (Listing were based on EDLs which no longer represent valid assessment guideline)	Delist
Conejo Creek R1, R2, R3, R4	Cadmium/Tissue/COMM BU	Delist (Listing were based on EDLs which no longer represent valid assessment guideline)	Delist
Conejo Creek R1, R2, R3, R4	Chromium/Tissue/COMM BU	Delist (Listing were based on EDLs which no longer represent valid assessment guideline)	Delist
Conejo Creek R1, R2, R3, R4	Nickel/Tissue/COMM BU	Delist (Listing were based on EDLs which no longer represent valid assessment guideline)	Delist
Seaside Park	Total Coliform/Water/REC1	List	List

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Channel Islands Harbor Beach and Hobie Beach	Fecal Coliform/Water/REC1	List	List
Ormond (Industrial Drain- #43000)	Beach Postings/Water/REC1	List	List
Peninsula Beach #23000	Beach Postings/Water/REC1	List	List
Rincon Beach (Flagpole-#1050)	Beach Postings/Water/REC1	List	List
Surfer's Point (Stables-#13000)	Beach Postings/Water/REC1	List	List
San Buenventure Beach	Total Coliform/Water/REC1	List	List
Ventura River R1 (Estuary to Main Street) and R2 (Main Street to Weldon Canyon)	Copper/Tissue/Aquatic Life	Delist (Listings were based on EDLs which do not represent valid assessment guidelines).	Delist
Ventura River R1 (Estuary to Main Street) and R2 (Main Street to Weldon Canyon)	Selenium/Tissue/Aquatic Life	Delist (Listings were based on EDLs which do not represent valid assessment guidelines)	Delist
Ventura River R1 (Estuary to Main Street) and R2 (Main Street to Weldon Canyon)	Silver/Tissue/Aquatic Life	Delist (Listings were based on EDLs which do not represent valid assessment guidelines)	Delist
Ventura River R1 (Estuary to Main Street) and R2 (Main Street to Weldon Canyon)	Zinc/Tissue/Aquatic Life	Delist (Listings were based on EDLs which do not represent valid assessment guidelines)	Delist
Ventura Estuary	DDT/Tissue/Fish Consumption	Delist (Original listing appears to have been based on DDT concentrations found in shiner surf perch in 1993 (TSM); however, the level of 23 ppb of p,p'-DDE is below MTRL-which equals 32.0 ppb)	Delist (Listing was based on one sample and concentrations of DDE was below the MTRL).
Ventura Estuary	Total coliform/Water/REC1 and shellfish harvesting	List	List

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Ventura Estuary	Fecal coliform/Water/REC1 and shellfish harvesting	List	List
Ventura River Watershed-Canada Larga	Dissolved Oxygen/Water/Aquatic Life (warm-cold water and wildlife habitat, spawning, repro and migration)	List	List
Ventura River Watershed-Canada Larga	Fecal Coliform/Water/REC1	List	List for Fecal Coliform and combined (Fecal coliform and E. coli).
Ventura River Watershed-San Antonio Creek	Total nitrogen/Water/WQO	List	List
Westlake Lake	Chlordane/Tissue/Fish Consumption	Delist (Listing was based on a tissue concentration that now is below the MTRLs)	Delist
Westlake Lake	Copper/Tissue/Fish Consumption	Delist (Listing based on EDLs which no longer represent valid assessment guidelines)	Delist

Region 4

Ballona Creek Estuary

Water Body	Ballona Creek Estuary
Stressor/Media/Beneficial Use	Aroclor/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP BPTCP
Linkage between measurement endpoint and beneficial use or standard	MTRL not linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Data used is not related to PCBs in tissue.
Water Body-specific Information	Data 3-9 years old (persistent organic chemical), data measured in waterbody, Environmental conditions (fall, winter)
Data used to assess water quality	49 sediment samples, number exceeding unknown
Spatial representation	Unknown
Temporal representation	Fall/winter and different years
Data type	Numerical
Use of standard method	BPTCP
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff/aerial deposition from urban areas.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listed for PCBs)
SWRCB Staff Recommendation	Maintain Listing (Data presented does not support delisting because it is unrelated to PCBs or Aroclor in tissue).

Region 4

Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)

Water Body	Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	Numerical values linked to REC1
Utility of measure for judging if standards or uses are not attained	Basin Plan WQO numerical exceedances
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	12 bacteria samples, 5 samples exceeding
Spatial representation	1 site (small Reach)
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)

Water Body	Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)
Stressor/Media/Beneficial Use	Nitrate as Nitrate/Water/groundwater recharge
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	Numerical values linked to groundwater recharge BU
Utility of measure for judging if standards or uses are not attained	Basin Plan WQO numerical exceedances
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	12 water samples, 6 samples exceeding
Spatial representation	1 site only (Conejo Creek)
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Conejo Creek R9A (tributary to Calleguas Creek) (Lower part of

Water Body	Conejo Creek R9A (tributary to Calleguas Creek) (Lower part of Former Conejo Creek R 1)
Stressor/Media/Beneficial Use	Stressor unknown/Water column toxicity/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	No stressor identified
Utility of measure for judging if standards or uses are not attained	No stressor ID, not applicable
Water Body-specific Information	Data 3-4 years old, data measured at site, during summer of 98 and 99
Data used to assess water quality	26 water samples, number of samples exceeding is unclear
Spatial representation	One site
Temporal representation	Summer 98 and 99
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Result from testing one site downstream of Camrosa WWTP for chronic water column toxicity using fathead minnow and Ceriodaphnia)
SWRCB Staff Recommendation	Maintain Listing (Need more data to delist. Information from toxicity testing is unclear).

Region 4

Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)

Water Body	Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)
Stressor/Media/Beneficial Use	Dissolved Oxygen/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	NPDES
Linkage between measurement endpoint and beneficial use or standard	WQO numerical linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Basin Plan WQO numerical exceedances
Water Body-specific Information	Data 1-5 years old, data measured at site, measured during all seasons
Data used to assess water quality	111 water samples, 6 sample exceeding
Spatial representation	2 sites
Temporal representation	Summer/fall/winter/spring (97-00)
Data type	Numerical
Use of standard method	NPDES
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Meets Basin Plan objective for dissolved oxygen)
SWRCB Staff Recommendation	Delist

Region 4

Calleguas Creek R9B, Conejo Creek Main Stem

Water Body	Calleguas Creek R9B, Conejo Creek Main Stem
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization
Linkage between measurement endpoint and beneficial use or standard	WQO numerical linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	Basin Plan WQO numerical, exceed 200-400 MPN/ml
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons for 2 years
Data used to assess water quality	12 bacteria samples, 3 samples exceeding the 400 MPN, Geomean of 243 exceed 200 MPN
Spatial representation	1 site
Temporal representation	All seasons during 98-99
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Ballona Creek

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Arsenic/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP QAPP
Linkage between measurement endpoint and beneficial use or standard	MTRLs not linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	MTRLs not applicable to Aquatic Life
Water Body-specific Information	No new data
Data used to assess water quality	Number of samples for old data unknown, no new data
Spatial representation	Unknown: old data, no new data
Temporal representation	Unknown: old data, no new data
Data type	Numerical, no new data
Use of standard method	TSMP Data
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (There is not an MTRL for arsenic)
SWRCB Staff Recommendation	Delist

Region 4

Ballona Creek

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Chem A/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP
Linkage between measurement endpoint and beneficial use or standard	NAS guidelines were old and exceedances in tissue measurements and not linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	NAS accepted applicability, but old. Also measurements are in tissue not water. No new data.
Water Body-specific Information	Unknown (not mentioned)
Data used to assess water quality	Number of samples for old data unknown, no new data
Spatial representation	Unknown: old data, no new data
Temporal representation	Unknown: old data, no new data
Data type	Numerical, no new data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listed on old NAS guideline, which are no longer represent valid assessment guidelines)
SWRCB Staff Recommendation	Maintain Listing until new or alternate comparison value is available.

Region 4

Ballona Creek

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Copper/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to Beneficial Use
Utility of measure for judging if standards or uses are not attained	EDLs not applicable to beneficial use impacts
Water Body-specific Information	Unknown
Data used to assess water quality	Number of samples for old data unknown, no new data
Spatial representation	Unknown old data, no new data
Temporal representation	Unknown: old data, no new data
Data type	Numerical, no new data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs not a valid assessment guideline)
SWRCB Staff Recommendation	Delist (EDLs not linked to Beneficial Uses)

Region 4

Ballona Creek

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Lead/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to Beneficial Use
Utility of measure for judging if standards or uses are not attained	EDLs not applicable to beneficial use impacts
Water Body-specific Information	Unknown
Data used to assess water quality	Number of samples for old data unknown, no new data
Spatial representation	Unknown old data, no new data
Temporal representation	Unknown old data, no new data
Data type	Numerical, no new data
Use of standard method	Standard methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs not a valid assessment guideline)
SWRCB Staff Recommendation	Delist (EDLs not linked to Beneficial Uses)

Region 4

Ballona Creek

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Silver/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to Beneficial Use
Utility of measure for judging if standards or uses are not attained	EDLs not applicable to beneficial use impacts
Water Body-specific Information	Unknown (not mentioned)
Data used to assess water quality	Number of samples for old data unknown, no new data
Spatial representation	Unknown old data, no new data
Temporal representation	Unknown old data, no new data
Data type	Numerical, no new data
Use of standard method	Standard methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs not a valid assessment guideline)
SWRCB Staff Recommendation	Delist (EDLs not linked to Beneficial Uses)

Region 4

Ballona Creek

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	TBT/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP
Linkage between measurement endpoint and beneficial use or standard	No valid assessment guideline
Utility of measure for judging if standards or uses are not attained	No valid guideline for TBT in sediment
Water Body-specific Information	NA
Data used to assess water quality	NA
Spatial representation	NA
Temporal representation	NA
Data type	NA
Use of standard method	NA
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Not a valid assessment guidelines for TBT)
SWRCB Staff Recommendation	Delist (MTRLs not linked to Aquatic Life)

Region 4

Avolon Beach-Santa Catalina Island

Water Body	Avolon Beach-Santa Catalina Island
Stressor/Media/Beneficial Use	Bacteria counts/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and beneficial use or standard	Beach Closures(bacteria) link to REC1
Utility of measure for judging if standards or uses are not attained	Beach Closures applicable
Water Body-specific Information	Age of data 2 years, collected at site
Data used to assess water quality	1 closure in 32 days and 1 in 4 days, Posting 67 days
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Numerical
Use of standard method	Unknown
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)

Water Body	Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)
Stressor/Media/Beneficial Use	Chromium/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP Data
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to Beneficial Use
Utility of measure for judging if standards or uses are not attained	EDLs not applicable to Beneficial uses
Water Body-specific Information	NA
Data used to assess water quality	NA
Spatial representation	NA
Temporal representation	NA
Data type	NA
Use of standard method	TSMP Data
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs is not longer a valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)

Water Body	Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)
Stressor/Media/Beneficial Use	Nickel/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP Data
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to Beneficial Use
Utility of measure for judging if standards or uses are not attained	EDLs not applicable to Beneficial uses
Water Body-specific Information	NA
Data used to assess water quality	NA
Spatial representation	NA
Temporal representation	NA
Data type	NA
Use of standard method	NA
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs is not longer a valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)

Water Body	Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)
Stressor/Media/Beneficial Use	Silver/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP Data
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to Beneficial Use
Utility of measure for judging if standards or uses are not attained	EDLs not applicable to Beneficial uses
Water Body-specific Information	No data
Data used to assess water quality	No data
Spatial representation	No data
Temporal representation	No data
Data type	No data
Use of standard method	No data
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs is not longer a valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)

Water Body	Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)
Stressor/Media/Beneficial Use	Selenium/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP (TSMP Data)
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to Beneficial Use
Utility of measure for judging if standards or uses are not attained	EDLs not applicable to Beneficial uses
Water Body-specific Information	No data
Data used to assess water quality	No data
Spatial representation	No data
Temporal representation	No data
Data type	No data
Use of standard method	No data
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs is not longer a valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)

Water Body	Arroyo Simi R1 (Moorpark Fwy (23) to Brea Canyon)
Stressor/Media/Beneficial Use	Zinc/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP (TSMP Data)
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	EDLs not applicable to Beneficial uses
Water Body-specific Information	Data 4-9 years old, Environmental data measured at site/waterbody, species/indicators present
Data used to assess water quality	No data
Spatial representation	No data
Temporal representation	No data
Data type	No data
Use of standard method	No data
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs is not longer a valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Ballona Wetland

Water Body	Ballona Wetland
Stressor/Media/Beneficial Use	Arsenic/Tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	QAPP (TSMP Data)
Linkage between measurement endpoint and beneficial use or standard	MTRLs linked to Fish Consumption
Utility of measure for judging if standards or uses are not attained	MTRLs
Water Body-specific Information	Data 6 years old, Environmental data measured at site/waterbody, Species present, one-time sample
Data used to assess water quality	1 fish tissue sample, number exceeding unknown
Spatial representation	One sample only
Temporal representation	One sample event
Data type	Numerical
Use of standard method	TSMP Data
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (No longer an MTRLs for arsenic)
SWRCB Staff Recommendation	Delist

Region 4

Ballona Creek Watershed

Water Body	Ballona Creek Watershed
Stressor/Media/Beneficial Use	pH/Water/Aquatic life, Warm freshwater habitat and wildlife habitat
Data quality assessment. Extent to which data quality requirements met.	QAPP
Linkage between measurement endpoint and beneficial use or standard	Basin Plan WQO exceeded for pH linked Aquatic Life
Utility of measure for judging if standards or uses are not attained	WQO in Basin Plan exceedances
Water Body-specific Information	Data 1-5 years old, environmental data measured at site, samples collected during multiple seasons
Data used to assess water quality	40 water samples, 5 water samples exceeding
Spatial representation	Data was collected spatially along the creek.
Temporal representation	Fall and spring
Data type	Numerical
Use of standard method	LA County Stormwater Program
Potential Source(s) of Pollutant	Nonpoint sources (possible sources include urban and stormwater runoff)
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Ballona Creek Watershed

Water Body	Ballona Creek Watershed
Stressor/Media/Beneficial Use	Dissolved Zinc/Water/Aquatic Life, warm water and freshwater, wildlife habitat
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Department of Public Works
Linkage between measurement endpoint and beneficial use or standard	CTR Zinc Numerical link to BU list
Utility of measure for judging if standards or uses are not attained	Based on CTR criteria for zinc to protect aquatic life
Water Body-specific Information	Data 1-5 years old, environmental data measured at site, samples collected multiple seasons
Data used to assess water quality	39 water samples, 5 water samples exceeded
Spatial representation	Data was collected spatially along the creek.
Temporal representation	Fall, spring, winter, summer in different years
Data type	Numerical
Use of standard method	Los Angeles Department of Public Works
Potential Source(s) of Pollutant	Nonpoint sources (possible sources include urban and stormwater runoff)
Alternative Enforceable Program	
RWQCB Recommendation	List (10% exceedance for zinc)
SWRCB Staff Recommendation	List

Region 4

Ballona Creek Watershed

Water Body	Ballona Creek Watershed
Stressor/Media/Beneficial Use	Total Selenium/Water/Aquatic Life, warm water and freshwater, wildlife habitat
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Department of Public Works
Linkage between measurement endpoint and beneficial use or standard	CTR direct linked to Aquatic life BU
Utility of measure for judging if standards or uses are not attained	Based on CTR for selenium
Water Body-specific Information	Data 3-5 years old , data measured in waterbody, Environmental conditions (winter, spring in different years)
Data used to assess water quality	25 water samples, 3 samples exceeding
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Fall, spring, summer, winter in different years
Data type	Numerical
Use of standard method	Los Angeles Department of Public Works
Potential Source(s) of Pollutant	Nonpoint sources (Stormwater)
Alternative Enforceable Program	
RWQCB Recommendation	List (10% exceedances for total selenium)
SWRCB Staff Recommendation	Watch List (Not enough samples exceeding to list)

Region 4

Ballona Creek Watershed

Water Body	Ballona Creek Watershed
Stressor/Media/Beneficial Use	Dissolved copper/Water/Aquatic Life, warm water and freshwater, wildlife habitat
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Department of Public Works
Linkage between measurement endpoint and beneficial use or standard	CTR direct linked to Aquatic life BU
Utility of measure for judging if standards or uses are not attained	Based on CTRs for copper
Water Body-specific Information	Data 1-5 years old, data measured in waterbody, environmental conditions (winter, spring in different years)
Data used to assess water quality	38 water samples, 17 Sample exceeding acute criteria, 21 samples exceeding in chronic criteria
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Fall, spring, winter, summer in different years
Data type	Numerical
Use of standard method	LA County Stormwater Program
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Ballona Creek Watershed

Water Body	Ballona Creek Watershed
Stressor/Media/Beneficial Use	Dissolved lead/Water/Aquatic Life, warm water and freshwater, wildlife habitat
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Department of Public Works
Linkage between measurement endpoint and beneficial use or standard	CTR Lead numerical linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	Based on CTRs for lead
Water Body-specific Information	Data 1-5 years old, data measured in waterbody, environmental conditions (winter, spring in different years)
Data used to assess water quality	38 water samples, 5 Sample exceeding
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Fall, spring, winter, summer in different years
Data type	Numerical
Use of standard method	LA County Stormwater Program
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List (10% exceedance for dissolved lead)
SWRCB Staff Recommendation	List

Region 4

Castlerock Beach-Santa Monica Bay

Water Body	Castlerock Beach-Santa Monica Bay
Stressor/Media/Beneficial Use	Total Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Division of Environmental Health Services
Linkage between measurement endpoint and beneficial use or standard	WQO linked to Rec1
Utility of measure for judging if standards or uses are not attained	Exceedance of Basin Plan WQO
Water Body-specific Information	Data 2 years old , data measured in waterbody, Environmental condition (2 season in same year)
Data used to assess water quality	17 bacteria samples, 13 samples exceeding
Spatial representation	limited
Temporal representation	Spring and Fall 2000
Data type	Numerical
Use of standard method	Division of Environmental Health Services
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R1 (estuary to 0.5 mi South of Broome Rd.) and R2

Water Body	Calleguas Creek R1 (estuary to 0.5 mi South of Broome Rd.) and R2 (0.5 mi South Broome Rd to Potrero Rd)
Stressor/Media/Beneficial Use	Chem A/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP TSMP
Linkage between measurement endpoint and beneficial use or standard	Chemical Tissue based on NAS old guidelines, not based on MTRL or Linked to Fish Consumption
Utility of measure for judging if standards or uses are not attained	NAS accepted applicability, but old. Also measurements are in tissue not water. No new data.
Water Body-specific Information	Data 5-8 years old, samples taken at site, species present, samples taken from summer during 2 years
Data used to assess water quality	4 tissue samples, 4 samples exceeding
Spatial representation	Data was collected spatially along the creek.
Temporal representation	Summer 94 and 97
Data type	Numerical
Use of standard method	TSMP Data
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Based on NAS old guidelines, and can be listed using MTRLs exceedances)
SWRCB Staff Recommendation	Maintain Listing (NAS guidelines are useful for Aquatic Life protection. Use this guideline until an alternate value available).

Region 4

Calleguas Creek R1 (estuary to 0.5 mi South of Broome Rd.) and R2

Water Body	Calleguas Creek R1 (estuary to 0.5 mi South of Broome Rd.) and R2 (0.5 mi South Broome Rd to Potrero Rd)
Stressor/Media/Beneficial Use	Dacthal/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP TSMP
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to Beneficial Use
Utility of measure for judging if standards or uses are not attained	EDLs in not applicable to BU
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	No data presented
Use of standard method	TSMP Data
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs are no longer a valid assessment guideline)
SWRCB Staff Recommendation	Delist (EDLs not linked to BU Protection)

Region 4

Calleguas Creek R2

Water Body	Calleguas Creek R2
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	WQO numerical to linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	WQO numerical applicable to REC1 BU
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	34 bacterial samples, Geomean of 934 exceeds 200 MPN standard, 24 samples exceeding at 400 MPN
Spatial representation	3 sites
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Characterization Study
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R2

Water Body	Calleguas Creek R2
Stressor/Media/Beneficial Use	Dissolved Copper/Water column/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	CTR (fresh and saltwater) numerical linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	CTRs and Basin Plan WQO
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	11 water samples, 7 samples exceeding for 4 days and 3 sample exceeding for 1 hr salt water std
Spatial representation	3 sites
Temporal representation	Summer/fall/winter of 98 and 99
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R2

Water Body	Calleguas Creek R2
Stressor/Media/Beneficial Use	Stressor unknown/Water column toxicity/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	no stressor identified
Utility of measure for judging if standards or uses are not attained	no stressor identified, not applicable
Water Body-specific Information	Data 3-4 years old, data measured at site, during summer of 98 and 99
Data used to assess water quality	6 water samples, 0 mortality for toxicity test and 0 reproductive effects and/or growth inhibition
Spatial representation	One site
Temporal representation	Summer 98 and 99
Data type	Numerical
Use of standard method	Characterization Study
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Result from testing one site downstream of Camrosa WWTP for chronic water column toxicity using fathead minnow and Ceriodaphnia)
SWRCB Staff Recommendation	Delist

Region 4

Calleguas Creek R2

Water Body	Calleguas Creek R2
Stressor/Media/Beneficial Use	DDT/Water column/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	CTR numerical linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	CTRs and Basin Plan WQO
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	11 water samples, 7 samples exceeding
Spatial representation	3 sites spatially representative of water body
Temporal representation	Summer/fall/winter/spring for 98 and 99
Data type	Numerical
Use of standard method	Characterization Study
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R4

Water Body	Calleguas Creek R4
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization/QAPP
Linkage between measurement endpoint and beneficial use or standard	WQO numerical linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	WQO numerical applicable to REC1 BU
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	12 bacteria samples, 6 number exceeding 400 MPN
Spatial representation	1 site
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Characterization Study
Potential Source(s) of Pollutant	Farms, septic, percolation
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List (Enough samples exceeded the 400 MPN, however it is unclear how many samples exceeded 200 MPN)

Region 4

Calleguas Creek R4, Revolon Slough

Water Body	Calleguas Creek R4, Revolon Slough
Stressor/Media/Beneficial Use	Chloride/Water/Agriculture and Groundwater recharge
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	WQO numerical linked to Agriculture and Ground Water
Utility of measure for judging if standards or uses are not attained	Basin Plan WQO exceedances for Chloride are applicable to Groundwater recharge and Agriculture
Water Body-specific Information	Data 3-5 years old, data measured at site , measured during all seasons
Data used to assess water quality	15 water samples, 12 samples exceeding
Spatial representation	3 sites
Temporal representation	Summer/fall/winter/spring of 97-99
Data type	Numerical
Use of standard method	Characterization Study
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	Calleguas Creek Chloride TMDL 2001
RWQCB Recommendation	List
SWRCB Staff Recommendation	Watch List (TMDL in progress)

Region 4

Calleguas Creek R4, Revolon Slough

Water Body	Calleguas Creek R4, Revolon Slough
Stressor/Media/Beneficial Use	Boron/Water/Basin Plan WQO
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	Basin Plan WQO exceeded for Boron
Utility of measure for judging if standards or uses are not attained	Basin Plan WQO exceedances for Boron
Water Body-specific Information	Data 3-4 years old, data measured at site measured during all seasons
Data used to assess water quality	13 water samples, 11 samples exceeding
Spatial representation	2 sites
Temporal representation	Summer/fall/winter/spring of 98-99
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R4, Revolon Slough

Water Body	Calleguas Creek R4, Revolon Slough
Stressor/Media/Beneficial Use	Nitrate as Nitrate/Water/Groundwater recharge
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	Numerical values linked to Groundwater Recharge BU
Utility of measure for judging if standards or uses are not attained	WQO numerical exceedances
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	43 water samples, 38 samples exceeding
Spatial representation	3 sites
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Revolon Slough Main Branch: Mugu Lagoon to Central Avenue

Water Body	Revolon Slough Main Branch: Mugu Lagoon to Central Avenue
Stressor/Media/Beneficial Use	Dacthal/sediment/ Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP
Linkage between measurement endpoint and beneficial use or standard	Linkage to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	No valid guideline for Dacthal in sediment
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	No data presented
Use of standard method	No data presented
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (No valid approved guidelines for Dacthal)
SWRCB Staff Recommendation	Delist

Region 4

Revolon Slough Main Branch: Mugu Lagoon to Central Avenue

Water Body	Revolon Slough Main Branch: Mugu Lagoon to Central Avenue
Stressor/Media/Beneficial Use	Dacthal/Tissue/ Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP TSMP
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Aquatic Life BU
Water Body-specific Information	Data 5-8 years old, sample taken at site, species present, sample taken from summer during 2 years
Data used to assess water quality	2 tissue samples, 2 numbers exceeding
Spatial representation	Samples were collected spatially.
Temporal representation	Summer 1994 and 1997
Data type	Numerical
Use of standard method	TSMP Data
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs not a valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Revolon Slough Main Branch: Mugu Lagoon to Central Avenue

Water Body	Revolon Slough Main Branch: Mugu Lagoon to Central Avenue
Stressor/Media/Beneficial Use	Chem A/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP TSMP
Linkage between measurement endpoint and beneficial use or standard	MTRLs not linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	MTRLs not applicable to Aquatic Life BU
Water Body-specific Information	No data
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	No data presented
Use of standard method	No data presented
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (NAS guidelines were old and can be listed for exceedances of MTRLs)
SWRCB Staff Recommendation	Maintain Listing until better guideline is available.

Region 4

Calleguas Creek R4, Revolon Slough

Water Body	Calleguas Creek R4, Revolon Slough
Stressor/Media/Beneficial Use	Sulfate/Water/WQO for sulfate
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	WQO for sulfate
Utility of measure for judging if standards or uses are not attained	WQO numerical exceedances at Potrero Road
Water Body-specific Information	Data 3-5 years old, data measured at site, measured during all seasons
Data used to assess water quality	15 water samples, 14 number exceeding
Spatial representation	3 sites
Temporal representation	Samples were collected from summer 98 through summer 99
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R4, Revolon Slough

Water Body	Calleguas Creek R4, Revolon Slough
Stressor/Media/Beneficial Use	TDS/Water/WQO
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	WQO for TDS
Utility of measure for judging if standards or uses are not attained	Exceedances in Basin Plan WQO
Water Body-specific Information	Data 3-5 years old, data measured at site, measured during all seasons
Data used to assess water quality	15 water samples, 13 samples exceeding
Spatial representation	3 sites
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R6, Arroyo Las Posas

Water Body	Calleguas Creek R6, Arroyo Las Posas
Stressor/Media/Beneficial Use	Nitrate as Nitrate/Water/Groundwater recharge
Data quality assessment. Extent to which data quality requirements met.	NPDES Reports
Linkage between measurement endpoint and beneficial use or standard	Numerical values linked to groundwater recharge BU
Utility of measure for judging if standards or uses are not attained	WQO numerical exceedances in Basin Plan
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	12 water samples, 8 sample exceeding
Spatial representation	1 site
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	NPDES
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R6, Arroyo Las Posas

Water Body	Calleguas Creek R6, Arroyo Las Posas
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	Numerical values linked to REC1
Utility of measure for judging if standards or uses are not attained	WQO numerical applicable to REC1
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	24 bacterial samples, 17 samples exceeding, Geomean of 653 MPN exceed 200 MPN
Spatial representation	1 site
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek-Arroyo Simi R7

Water Body	Calleguas Creek-Arroyo Simi R7
Stressor/Media/Beneficial Use	No pollutant ID (TIE implicated Diazinon and NH3 for water column toxicity/Water /Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization/QAPP
Linkage between measurement endpoint and beneficial use or standard	Narrative
Utility of measure for judging if standards or uses are not attained	Narrative (Not enough information)
Water Body-specific Information	Unknown (not mentioned)
Data used to assess water quality	22 water sample, number exceeding unknown
Spatial representation	Site 1 (8 samples, 2species)u/s POTW, Site 3 (8 samples, 2 species) d/s POTW at Hwy 118, Site 2(6 samples, 2 species) immediately d/s POTW
Temporal representation	Not mentioned
Data type	Toxicity test and TIEs
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Agriculture, POTWs, Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List (Water column toxicity which affects aquatic life beneficial use)
SWRCB Staff Recommendation	Exclude from list (More information is required to determine listing, no pollutant identified)

Region 4

Calleguas Creek-Arroyo Simi R7

Water Body	Calleguas Creek-Arroyo Simi R7
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization QAPP
Linkage between measurement endpoint and beneficial use or standard	Numerical values linked to REC1
Utility of measure for judging if standards or uses are not attained	WQO numerical exceedances in Basin Plan and linked to REC1 BU
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	24 bacteria samples, 17 samples exceeding, Geomean of 909 exceed 200 MPN
Spatial representation	2 sites
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)

Water Body	Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)
Stressor/Media/Beneficial Use	Nitrate as Nitrogen/Water/groundwater recharge
Data quality assessment. Extent to which data quality requirements met.	NPDES Reports
Linkage between measurement endpoint and beneficial use or standard	Nitrate as Nitrogen is linked to groundwater recharge BU
Utility of measure for judging if standards or uses are not attained	WQO numerical exceedances in Basin Plan
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	111 water samples, 15 sample exceeding
Spatial representation	1 site only (Conejo Creek)
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)

Water Body	Calleguas Creek R9A, Camrosa Diversion (Conejo Creek)
Stressor/Media/Beneficial Use	Nitrite as Nitrogen/Water/groundwater recharge
Data quality assessment. Extent to which data quality requirements met.	NPDES Reports
Linkage between measurement endpoint and beneficial use or standard	Nitrite as Nitrogen is linked to groundwater recharge BU
Utility of measure for judging if standards or uses are not attained	WQO numerical exceedances in Basin Plan
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	110 water samples, 18 samples exceeding, Geomean of 206 exceed 200 MPN
Spatial representation	1 site only (Conejo Creek)
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R10 (Conejo Creek, Hill Canyon)

Water Body	Calleguas Creek R10 (Conejo Creek, Hill Canyon)
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization
Linkage between measurement endpoint and beneficial use or standard	Numerical values linked to REC1
Utility of measure for judging if standards or uses are not attained	Basin Plan WQO numerical, exceed 200-400 MPN/ml
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	24 bacterial samples, 11 samples exceeding at 400 MPN, Geomean 431 exceed 200 MPN
Spatial representation	2 sites
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R10 (Conejo Creek, Hill Canyon)

Water Body	Calleguas Creek R10 (Conejo Creek, Hill Canyon)
Stressor/Media/Beneficial Use	Nitrate as Nitrogen/Water/groundwater recharge
Data quality assessment. Extent to which data quality requirements met.	NPDES Reports
Linkage between measurement endpoint and beneficial use or standard	Numerical values linked to groundwater recharge BU
Utility of measure for judging if standards or uses are not attained	WQO numerical, exceeds 1.0 ppm
Water Body-specific Information	Data 2-5 years old, data measured at site, measured during all seasons
Data used to assess water quality	42 water samples, 5 samples exceeding
Spatial representation	1 site
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Calleguas Creek Water Quality Monitoring Program
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List (Greater than 10 % exceedance of nitrite as nitrogen objective as stated in Basin Plan)
SWRCB Staff Recommendation	Watch List (Not enough samples exceeding to list)

Region 4

Calleguas Creek R10 (Conejo Creek, Hill Canyon)

Water Body	Calleguas Creek R10 (Conejo Creek, Hill Canyon)
Stressor/Media/Beneficial Use	Dissolved Oxygen/Water/Aquatic Life and warm water habitat
Data quality assessment. Extent to which data quality requirements met.	NPDES Program, Calleguas Creek Ambient Water Quality Monitoring Program
Linkage between measurement endpoint and beneficial use or standard	Basin Plan WQO numerical linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Basin Plan WQO meet WQO for Dissolved Oxygen is between 5-7ppm
Water Body-specific Information	Data 2-5 years old, data measured at site, measured during all seasons
Data used to assess water quality	81 water samples, 3 samples exceeding
Spatial representation	Unknown
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	NPDES Program and Calleguas Creek Ambient Water Quality Monitoring Program
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist (It meets the Basin Plan objective for dissolved oxygen)
SWRCB Staff Recommendation	Delist (Not enough exceeding samples to continue listing)

Region 4

Calleguas Creek R10 (Conejo Creek, Hill Canyon)

Water Body	Calleguas Creek R10 (Conejo Creek, Hill Canyon)
Stressor/Media/Beneficial Use	Chloride/Water/ Agriculture
Data quality assessment. Extent to which data quality requirements met.	QAPP (NPDES report and Calleguas Creek Characterization study)
Linkage between measurement endpoint and beneficial use or standard	Numerical values linked to agricultural BU
Utility of measure for judging if standards or uses are not attained	Numerical values exceed WQO of 150 mg/L in Basin Plan
Water Body-specific Information	Data 2-5 years old, data measured at site, measured during all seasons
Data used to assess water quality	97 water samples, 16 samples exceeding
Spatial representation	1 site
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	NPDES, Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek Watershed-Conejo Creek R9B

Water Body	Calleguas Creek Watershed-Conejo Creek R9B
Stressor/Media/Beneficial Use	Unnatural Foam and Scum/Water/REC1,REC2, Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization and DFG QAPP
Linkage between measurement endpoint and beneficial use or standard	Link to Rec. 2 BU, based on photographs documentation
Utility of measure for judging if standards or uses are not attained	Use of measure is limited (based on photographs)
Water Body-specific Information	Narrative--photographs, no samples
Data used to assess water quality	One photograph
Spatial representation	One photograph
Temporal representation	21-Apr-01
Data type	Photograph
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Agriculture and natural sources
Alternative Enforceable Program	
RWQCB Recommendation	List (Non attainment of the narrative objective for floating and settleable materials objective in the Basin Plan)
SWRCB Staff Recommendation	Watch List (The cause of the foam and scum may be caused by nutrient enrichment but these pollutants are not discussed. Unable to quantify photographs in terms of aquatic life protection).

Region 4

Calleguas Creek Watershed

Water Body	Calleguas Creek Watershed
Stressor/Media/Beneficial Use	Sedimentation/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study/Bioassessment DFG
Linkage between measurement endpoint and beneficial use or standard	Macroinvertebrate and Bioassessment is linked to Aquatic Life BU.
Utility of measure for judging if standards or uses are not attained	DFG guidelines
Water Body-specific Information	Data 8 years old, data measured at site, species present
Data used to assess water quality	Unknown
Spatial representation	Some sites listed
Temporal representation	Unknown
Data type	Not Numerical
Use of standard method	DFG
Potential Source(s) of Pollutant	Agriculture and natural sources
Alternative Enforceable Program	
RWQCB Recommendation	List (Due to excessive sedimentation)
SWRCB Staff Recommendation	Watch List (No data. Listing was based on a narrative bioassessment report by DFG)

Region 4

Calleguas Creek R11, Arroyo Santa Rosa

Water Body	Calleguas Creek R11, Arroyo Santa Rosa
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Characterization Study QAPP
Linkage between measurement endpoint and beneficial use or standard	Numerical values linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	WQO numerical, exceed 200-400 MPN/ml
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	12 water samples, 6 sample exceeding, Geomean of 393 exceed 200 MPN
Spatial representation	1 site
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Calleguas Creek R11, Arroyo Santa Rosa

Water Body	Calleguas Creek R11, Arroyo Santa Rosa
Stressor/Media/Beneficial Use	Dissolved Oxygen/ Water/Warm water habitat
Data quality assessment. Extent to which data quality requirements met.	Characterization Study QAPP
Linkage between measurement endpoint and beneficial use or standard	WQO linked to Warm Water Habitat
Utility of measure for judging if standards or uses are not attained	Numerical measure not exceeding WQO
Water Body-specific Information	Data 2-5 years old, data measured at site, measured during all seasons
Data used to assess water quality	41 water samples, no samples exceeding
Spatial representation	1 site
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	Calleguas Creek Characterization Study
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Waterbody meets the Basin Plan objective for dissolved oxygen)
SWRCB Staff Recommendation	Delist

Region 4

Calleguas Creek R13, Conejo Creek, South Fork

Water Body	Calleguas Creek R13, Conejo Creek, South Fork
Stressor/Media/Beneficial Use	Chloride/Water/ Agriculture
Data quality assessment. Extent to which data quality requirements met.	NPDES Reports
Linkage between measurement endpoint and beneficial use or standard	Numerical linked to Agriculture BU
Utility of measure for judging if standards or uses are not attained	WQO numerical, exceed 150 MPN/ml in Basin Plan
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons
Data used to assess water quality	19 water samples, 17 samples exceeding
Spatial representation	2 sites
Temporal representation	Summer/fall/winter/spring
Data type	Numerical
Use of standard method	NPDES
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List (Numerical values linked to Agriculture BU)
SWRCB Staff Recommendation	List

Region 4

Los Cerritos Channel

Water Body	Los Cerritos Channel
Stressor/Media/Beneficial Use	Chlordane/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP BPTCP
Linkage between measurement endpoint and beneficial use or standard	ERMs-PELs linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	ERM-PEL applicable to Aquatic Life
Water Body-specific Information	Data 8-9 years old, data measured at site, measured during the winter
Data used to assess water quality	4 sediment samples, 3 samples exceeding
Spatial representation	Data was collected spatially.
Temporal representation	Winter 93 and 94
Data type	Numerical
Use of standard method	BPTCP
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Malibu Creek Watershed-Malibu Lagoon

Water Body	Malibu Creek Watershed-Malibu Lagoon
Stressor/Media/Beneficial Use	pH/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Las Virgenas NPDES Municipal Water District
Linkage between measurement endpoint and beneficial use or standard	pH linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	Basin Plan pH WQO exceeded (above 8.5)
Water Body-specific Information	Data 3-5 years old, data measured at site, measured during all seasons
Data used to assess water quality	138 water samples, 33 samples exceeding pH 8.5
Spatial representation	pH data was collected a various monitoring station within the lagoon
Temporal representation	Winter 97, summer-winter 98, winter- fall 99
Data type	Numerical
Use of standard method	Municipal Water District (NPDES)
Potential Source(s) of Pollutant	Unknown (potential sources septic systems, storm drains and birds)
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Malibu Creek Watershed-Cold Creek

Water Body	Malibu Creek Watershed-Cold Creek
Stressor/Media/Beneficial Use	Algae - Rec1 and REC2, spawning, rare and endangered species, Aquatic Life, Warm and cold, wildlife freshwater habitat
Data quality assessment. Extent to which data quality requirements met.	Heal the Bay Citizens Monitoring
Linkage between measurement endpoint and beneficial use or standard	Linkage to REC1 and Rec. 2, but Aquatic Life linkage not clear
Utility of measure for judging if standards or uses are not attained	Unknown because judgement bases on international guideline that we have not seen.
Water Body-specific Information	Data 1-4 years old, data measured at site, species present, measured during fall and spring in 2 years
Data used to assess water quality	8 sample exceed the 30% algal cover (Biggs, 2000)
Spatial representation	2 sites
Temporal representation	Fall and spring in two years
Data type	Numerical
Use of standard method	Heal the Bay (Citizens Monitoring)
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List (Observation of excessive algal growth-greater than 30% coverage, based on Biggs, 2000)
SWRCB Staff Recommendation	Watch List (Algae was identified as the stressor, unclear on the cause of algae growth. Cannot determine if a pollutant is the cause).

Region 4

Malibu Creek Watershed (Malibu Creek, Las Virgenes Creek, Triunfo

Water Body	Malibu Creek Watershed (Malibu Creek, Las Virgenes Creek, Triunfo Creek and Medea Creek)
Stressor/Media/Beneficial Use	Sedimentation/Water/ Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Heal the Bay Citizens Monitoring
Linkage between measurement endpoint and beneficial use or standard	Linkage to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Narrative based on evaluation from DFG.
Water Body-specific Information	Not presented in RWQCB fact sheet.
Data used to assess water quality	Assessment by DFG biologist. The matrix indices of organisms present in the analysis is consistent with sedimentation effects presented in the record provided by the Regional Board.
Spatial representation	Not presented in RWQCB fact sheet.
Temporal representation	Not presented in RWQCB fact sheet.
Data type	Numerical
Use of standard method	CSBP-DFG Bioassessment
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	List (Due to excessive sedimentation, Letter from DFG)
SWRCB Staff Recommendation	List

Region 4

Malibu Creek Watershed-Malibu Creek

Water Body	Malibu Creek Watershed-Malibu Creek
Stressor/Media/Beneficial Use	Total Selenium/Water/Aquatic Life, warm and cold freshwater and wildlife habitat, rare and endangered sp., REC1 and 2, migration of aquatic org, spawn-repro
Data quality assessment. Extent to which data quality requirements met.	Stormwater Monitoring Program
Linkage between measurement endpoint and beneficial use or standard	Linkage with Aquatic Life BU and CTR
Utility of measure for judging if standards or uses are not attained	CTR numerical exceedances
Water Body-specific Information	Data 3-5 years old, samples collected at site, samples collected different years during storm event
Data used to assess water quality	21 water samples, 2 samples exceeding
Spatial representation	1 site
Temporal representation	Samples taken winter-97; fall and winter 99
Data type	Numerical
Use of standard method	Stormwater Monitoring Program
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List (Greater than one exceedance of the total selenium chronic water quality criterion to protect freshwater aquatic life)
SWRCB Staff Recommendation	Watch List (Not adequate number of samples and the exceeding CTR/BP WQO criteria). Also, the 2 exceeding sample were in the same month and year.

Region 4

Marina del Rey Harbor-Back Basin

Water Body	Marina del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	No stressor/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP, TSMP QAPP
Linkage between measurement endpoint and beneficial use or standard	MTRLs not linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	MTRLs not applicable to Aquatic Life
Water Body-specific Information	Data 7- 9 years old, sample were collected at the site, species present
Data used to assess water quality	4 tissue samples, 2 tissues sample exceed Chlordane, 3 tissue sample exceeding for PCBs
Spatial representation	Samples were collect spatially in the water body.
Temporal representation	2 samples in different years
Data type	Numerical
Use of standard method	BPTCP, TSMP
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff/aerial deposition from urban areas.
Alternative Enforceable Program	
RWQCB Recommendation	Delist
SWRCB Staff Recommendation	Maintain Listing (MTRLs not linked to Aquatic Life BU, no stressor identified)

Region 4

Marina del Rey Harbor-Back Basin

Water Body	Marina del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	TBT/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP, TSMP QAPP
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to BU
Utility of measure for judging if standards or uses are not attained	EDLs in not applicable to Aquatic Life BU
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Numerical
Use of standard method	BPTCP, TSMP
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff/aerial deposition from urban areas.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs no longer represent a valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Marina del Rey Harbor-Back Basin

Water Body	Marina del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	Zinc/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP, TSMP QAPP
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to BU
Utility of measure for judging if standards or uses are not attained	EDL not applicable to Aquatic Life BU
Water Body-specific Information	Data 7- 9 years old, sample were collected at the site, species present
Data used to assess water quality	No data presented
Spatial representation	Samples were collected spatially.
Temporal representation	Samples were collected temporally.
Data type	Numerical
Use of standard method	BPTCP, TSMP
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff/aerial deposition from urban areas.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs does not represent a valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Marina del Rey Harbor-Back Basin

Water Body	Marina del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	Copper/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP, TSMP QAPP
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to BU
Utility of measure for judging if standards or uses are not attained	EDLs not applicable to Aquatic Life BU
Water Body-specific Information	Data 7- 9 years old, sample were collected at the site, species present
Data used to assess water quality	Unknown
Spatial representation	Samples were collected spatially.
Temporal representation	Samples were collected temporally.
Data type	Numerical
Use of standard method	BPTCP, TSMP
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff/aerial deposition from urban areas.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs does not represent a valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Marina del Rey Harbor-Back Basin

Water Body	Marina del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	Lead/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP, TSMP QAPP
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to BU
Utility of measure for judging if standards or uses are not attained	EDLs not applicable to Aquatic Life BU
Water Body-specific Information	Data 7- 9 years old, sample were collected at the site, species present
Data used to assess water quality	No data presented
Spatial representation	Samples were collected spatially.
Temporal representation	Samples were collected temporally.
Data type	Numerical
Use of standard method	BPTCP, TSMP
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff/aerial deposition from urban areas.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs does not represent a valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Marina del Rey Harbor-Back Basin

Water Body	Marina del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	DDT/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP, TSMP QAPP
Linkage between measurement endpoint and beneficial use or standard	WQO numerical linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	Measure of limited applicability, based on benthic community assessment, chemical measurements absent.
Water Body-specific Information	Data 2- 9 years old, sample were collected at the site
Data used to assess water quality	30 sediment sample, 0 samples exceeding
Spatial representation	Samples were collected spatially.
Temporal representation	Samples were collected temporally.
Data type	Numerical
Use of standard method	BPTCP, TSMP
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff/aerial deposition from urban areas.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (DDT sediment concentrations have dropped below ERM-PEL guidelines
SWRCB Staff Recommendation	Delist

Region 4

Marina del Rey Harbor-Back Basin

Water Body	Marina del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	PCBs/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP, TSMP QAPP
Linkage between measurement endpoint and beneficial use or standard	ERM/PEL linked to Aquatic life BU
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life BU.
Water Body-specific Information	Data 5- 9 years old, collected at site, data collected in different years and seasons.
Data used to assess water quality	18 sediment samples, unclear number of exceeding samples (7 does not equal 30%)
Spatial representation	Samples were collected spatially.
Temporal representation	Summer-winter 93, summer 96, fall-winter 97
Data type	Numerical
Use of standard method	BPTCP and TSMP
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff/aerial deposition from urban areas.
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Malibu Creek Watershed

Water Body	Malibu Creek Watershed
Stressor/Media/Beneficial Use	Sedimentation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	DFG QAPP (Heal the Bay Study)
Linkage between measurement endpoint and beneficial use or standard	Linkage between sedimentation and bioassessment in Aquatic Life BU.
Utility of measure for judging if standards or uses are not attained	Bioassessment measurement.
Water Body-specific Information	Data 1 year old, collected at sites, species present, sample collected Spring and fall 2000.
Data used to assess water quality	Number of samples is unknown. (Based on insect data and physical habitat)
Spatial representation	11 sites
Temporal representation	Spring and Fall 2000
Data type	Numerical
Use of standard method	DFG (CBBP) methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	List (Due to excessive sedimentation)
SWRCB Staff Recommendation	List

Region 4

McGrath Lake

Water Body	McGrath Lake
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Ventura Division of Environmental Health Services
Linkage between measurement endpoint and beneficial use or standard	WQO linked to REC1
Utility of measure for judging if standards or uses are not attained	Based on Geomean
Water Body-specific Information	Data 2 - 5 years old, sample measured from site
Data used to assess water quality	13 bacteria samples, 1 Sample exceeded 400 MPN, Geomean of 206 exceeds 200 MPN
Spatial representation	5 sites
Temporal representation	Spring, summer and Fall 99-00
Data type	Numerical
Use of standard method	Ventura Division of Environmental Health Services
Potential Source(s) of Pollutant	Agriculture, landfill runoff and natural sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

McGrath Lake Estuary

Water Body	McGrath Lake Estuary
Stressor/Media/Beneficial Use	PCBs/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP (BPTCP, DFG)
Linkage between measurement endpoint and beneficial use or standard	ERM-PEL linkage between Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	Measure accepted, but has limited applicability,
Water Body-specific Information	Data 4-9 years old, environmental data measured at site/waterbody
Data used to assess water quality	13 sediment samples, 7 samples exceeding
Spatial representation	Samples were collected spatially.
Temporal representation	4 different events in 4 different years
Data type	Numerical
Use of standard method	BPTCP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff/aerial deposition from agriculture fields.
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

McGrath Lake Estuary

Water Body	McGrath Lake Estuary
Stressor/Media/Beneficial Use	Dieldrin/sediment/ Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP (BPTCP, DFG)
Linkage between measurement endpoint and beneficial use or standard	ERM-PEL linkage between BU
Utility of measure for judging if standards or uses are not attained	Measure accepted, but has limited applicability.
Water Body-specific Information	Data 4-9 years old, environmental data measured at site/waterbody
Data used to assess water quality	13 sediment samples, 10 samples exceeding
Spatial representation	Samples were collected spatially.
Temporal representation	4 different events in 4 different years
Data type	Numerical
Use of standard method	BPTCP, CDFG
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff/aerial deposition from agriculture fields.
Alternative Enforceable Program	BPTCP Consolidated Cleanup Program
RWQCB Recommendation	List
SWRCB Staff Recommendation	Watch List (Alternate enforcement program in place)

Region 4

McGrath Lake Estuary

Water Body	McGrath Lake Estuary
Stressor/Media/Beneficial Use	Total pesticides/sediment/ Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	NA
Linkage between measurement endpoint and beneficial use or standard	NA
Utility of measure for judging if standards or uses are not attained	NA
Water Body-specific Information	NA
Data used to assess water quality	NA
Spatial representation	NA
Temporal representation	NA
Data type	NA
Use of standard method	NA
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff/aerial deposition from agriculture fields.
Alternative Enforceable Program	
RWQCB Recommendation	Change in listing (Because individual chemical can be listed for exceedances of ERM-PELs)
SWRCB Staff Recommendation	Change in listing, (Chemicals can be listed individually)

Region 4

Malibou Lake

Water Body	Malibou Lake
Stressor/Media/Beneficial Use	Copper/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP QAPP
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to BU
Utility of measure for judging if standards or uses are not attained	EDLs is an insufficient basis for impairment determination.
Water Body-specific Information	Data 5 years old, measured at site, species present, one sample event
Data used to assess water quality	1 tissue sample, 1 sample non-detect
Spatial representation	One sample only
Temporal representation	One sample event
Data type	Numerical
Use of standard method	TSMP Data
Potential Source(s) of Pollutant	Not mentioned
Alternative Enforceable Program	
RWQCB Recommendation	Delist (EDLs are not a represent valid assessment guidelines)
SWRCB Staff Recommendation	Delist

Region 4

Malibou Lake

Water Body	Malibou Lake
Stressor/Media/Beneficial Use	Chlordane/Tissue/ Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP QAPP
Linkage between measurement endpoint and beneficial use or standard	MTRLs are not linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	MTRLs are not applicable to Aquatic Life BU.
Water Body-specific Information	Data 5 years old, measured at site, species present, one sample event
Data used to assess water quality	1 tissue sample, 0 samples exceeding
Spatial representation	One sample only
Temporal representation	One sample event
Data type	Numerical
Use of standard method	TSMP Data
Potential Source(s) of Pollutant	Not mentioned
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Based on one sample which is now below the MTRL and chlordane was not detected in 1997)
SWRCB Staff Recommendation	Maintain Listing until more data is available.

Region 4

Malibou Lake

Water Body	Malibou Lake
Stressor/Media/Beneficial Use	PCB/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP QAPP
Linkage between measurement endpoint and beneficial use or standard	Tissue chemistry is not linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	PCBs were not detected in tissue.
Water Body-specific Information	Data 5 years old, measured at site, species present, one sample event
Data used to assess water quality	I tissue sample, 0 sample exceeding
Spatial representation	One sample only
Temporal representation	One time sample event
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Not mentioned
Alternative Enforceable Program	
RWQCB Recommendation	Delist (PCBs in tissue were not detected in 1992 and 1997)
SWRCB Staff Recommendation	Delist

Region 4

Mugu Lagoon

Water Body	Mugu Lagoon
Stressor/Media/Beneficial Use	Dieldrin/Tissue/Aquatic life
Data quality assessment. Extent to which data quality requirements met.	QAPP BPTCP
Linkage between measurement endpoint and beneficial use or standard	MTRLs not linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	MTRLs not applicable
Water Body-specific Information	Data is 8 year old, data measured in the waterbody, species present, one time sample event
Data used to assess water quality	1 tissue sample, 1 sample exceeding
Spatial representation	Sample was collected spatially.
Temporal representation	One time sample event
Data type	Numerical
Use of standard method	BPTCP
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff, and aerial deposition from urban and agricultural area
Alternative Enforceable Program	
RWQCB Recommendation	List (Exceedance in MTRLs)
SWRCB Staff Recommendation	Watch List (MTRLs are not linked to Aquatic Life and listing based on one sample)

Region 4

Mugu Lagoon

Water Body	Mugu Lagoon
Stressor/Media/Beneficial Use	Dacthal/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP BPTCP
Linkage between measurement endpoint and beneficial use or standard	Not linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	No approved guidelines, MTRLs are not applicable to Aquatic Life
Water Body-specific Information	NA
Data used to assess water quality	NA
Spatial representation	NA
Temporal representation	NA
Data type	NA
Use of standard method	NA
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff, and aerial deposition from urban and agricultural area
Alternative Enforceable Program	
RWQCB Recommendation	Delist (No approved guidelines for Dacthal in tissue)
SWRCB Staff Recommendation	Delist (Tissue samples not linked to Aquatic life BU and no approved guidelines for Dacthal)

Region 4

Port Hueneme (back basins)

Water Body	Port Hueneme (back basins)
Stressor/Media/Beneficial Use	PAHs/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP BPTCP, Army Corp of Engineers QAPP unknown
Linkage between measurement endpoint and beneficial use or standard	Sediment chemistry linked to Aquatic Life BU. Tissue data not linked Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Measurement based on Army Corp of Engineers, PAH was at a low level.
Water Body-specific Information	Data 1- 6 years old, collected at site, one sample event
Data used to assess water quality	14 sediment samples in 1996, 20 sediment samples in 2001, 0 samples exceeding
Spatial representation	Samples were collected spatially.
Temporal representation	2 years of sampling
Data type	Numerical
Use of standard method	BPTCP method, US Army Corps of Engineers unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (PAHs appear to be low throughout most of the back basin area based on Army Corps of Engineers data)
SWRCB Staff Recommendation	Delist (Low pollutant concentration levels)

Region 4

Port Hueneme (back basins)

Water Body	Port Hueneme (back basins)
Stressor/Media/Beneficial Use	TBT/Tissue and sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP BPTCP, Army Corp of Engineers QAPP unknown
Linkage between measurement endpoint and beneficial use or standard	Sediment chemistry linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	Measurement not applicable, because there were no tissue assessment guidelines for TBT and sediment levels were low.
Water Body-specific Information	Data 1- 6 years old, collected at site, one sample event
Data used to assess water quality	14 sediment samples in 1996, 20 sediment samples in 2001, 0 samples exceeding
Spatial representation	Samples were collected spatially.
Temporal representation	2 years of sampling
Data type	Numerical
Use of standard method	BPTCP method, US Army Corps of Engineers unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (There are no tissue assessment guidelines for TBT)
SWRCB Staff Recommendation	Delist (No foundation for listing. Measurement not applicable because there are no tissue assessment guidelines for TBT and sediment levels are low)

Region 4

Port Hueneme (back basins)

Water Body	Port Hueneme (back basins)
Stressor/Media/Beneficial Use	Zinc/Tissue and sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP BPTCP, Army Corp of Engineer QAPP unknown
Linkage between measurement endpoint and beneficial use or standard	Sediment chemistry linked to Aquatic Life BU. Tissue data not linked Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Measurements not applicable, because there are no tissue assessment guidelines for TBT and sediment levels are low
Water Body-specific Information	Data 1 - 6 years old, collected at site, one sample event
Data used to assess water quality	14 sediment samples in 1996, 20 sediment samples in 2001, 0 samples exceeding
Spatial representation	Samples were collected spatially.
Temporal representation	2 years of sampling
Data type	Numerical
Use of standard method	BPTCP method, US Army Corps of Engineers unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (There are no tissue assessment guidelines for zinc)
SWRCB Staff Recommendation	Delist (Measurements for zinc in sediment levels are low)

Region 4

Rio de Santa Clara/Oxnard Drain #3

Water Body	Rio de Santa Clara/Oxnard Drain #3
Stressor/Media/Beneficial Use	Chem A/Tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	QAPP TSMP
Linkage between measurement endpoint and beneficial use or standard	MTRLs are linked to Fish Consumption
Utility of measure for judging if standards or uses are not attained	MTRLs are applicable to Fish consumption
Water Body-specific Information	Date is 5 years old, data measured from waterbody, species present, one-time sample event
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	No data presented
Use of standard method	No data presented
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, storm water runoff and aerial deposition from agricultural fields.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (NAS guidelines were old and individual compounds can be listed for exceedances of MTRLs)
SWRCB Staff Recommendation	Delist

Region 4

San Gabriel River Watershed-Reach 2

Water Body	San Gabriel River Watershed-Reach 2
Stressor/Media/Beneficial Use	Dissolved Zinc/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Stormwater Monitoring Program
Linkage between measurement endpoint and beneficial use or standard	WQO linked to Aquatic Life (CTRs)
Utility of measure for judging if standards or uses are not attained	Based on CTR for zinc
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years
Data used to assess water quality	28 water samples, 4 samples exceeding
Spatial representation	One site
Temporal representation	Fall, winter, spring (97-00)
Data type	Numerical
Use of standard method	Stormwater Monitoring Program
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List (The waterbody has a greater than 10% exceedance of dissolved zinc recommended water criteria for protection of fresh water aquatic life.)
SWRCB Staff Recommendation	List

Region 4

San Gabriel River Watershed-Reach 2

Water Body	San Gabriel River Watershed-Reach 2
Stressor/Media/Beneficial Use	Dissolved copper/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Stormwater Monitoring Program
Linkage between measurement endpoint and beneficial use or standard	WQO linked to Aquatic Life (CTR)
Utility of measure for judging if standards or uses are not attained	Based on CTRs for copper
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years
Data used to assess water quality	30 water samples, 7 samples exceeding
Spatial representation	1 site (S 14)
Temporal representation	Fall, winter, spring (97-00)
Data type	Numerical
Use of standard method	Stormwater Monitoring Program
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

San Gabriel River Watershed-Coyote Creek

Water Body	San Gabriel River Watershed-Coyote Creek
Stressor/Media/Beneficial Use	Dissolved Zinc/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Stormwater Monitoring Program
Linkage between measurement endpoint and beneficial use or standard	WQO linked to Aquatic Life (CTRs)
Utility of measure for judging if standards or uses are not attained	Based on CTRs for zinc
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years
Data used to assess water quality	27 water samples, 6 samples exceeding
Spatial representation	1 site (S 14)
Temporal representation	Fall, winter, spring (97-00)
Data type	Numerical
Use of standard method	Stormwater Monitoring Program
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

San Gabriel River Watershed-Coyote Creek

Water Body	San Gabriel River Watershed-Coyote Creek
Stressor/Media/Beneficial Use	Dissolved copper/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Stormwater Monitoring Program
Linkage between measurement endpoint and beneficial use or standard	WQO linked to Aquatic Life (CTR)
Utility of measure for judging if standards or uses are not attained	Based on CTR for copper
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years
Data used to assess water quality	27 water samples, 16 samples exceeding
Spatial representation	1 site
Temporal representation	Fall, winter, spring (97-00)
Data type	Numerical
Use of standard method	Stormwater Monitoring Program
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

San Gabriel River Watershed-Coyote Creek

Water Body	San Gabriel River Watershed-Coyote Creek
Stressor/Media/Beneficial Use	Dissolved Lead/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Department of Public Works
Linkage between measurement endpoint and beneficial use or standard	WQO linked to Aquatic Life (CTR)
Utility of measure for judging if standards or uses are not attained	Based on CTR for lead
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years
Data used to assess water quality	27 water samples, 18 samples exceeding
Spatial representation	1 site (S 13)
Temporal representation	Fall, winter, spring (97-99)
Data type	Numerical
Use of standard method	Los Angeles County Department of Public Works
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

San Gabriel River Watershed-Coyote Creek

Water Body	San Gabriel River Watershed-Coyote Creek
Stressor/Media/Beneficial Use	Total Selenium/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Stormwater Monitoring Program
Linkage between measurement endpoint and beneficial use or standard	WQO linked to Aquatic Life (CTR)
Utility of measure for judging if standards or uses are not attained	Based on CTR for selenium
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, stormwater events
Data used to assess water quality	26 water samples, 5 samples exceeding
Spatial representation	1 station
Temporal representation	Fall 97, fall 98, winter -summer 99
Data type	Numerical
Use of standard method	Stormwater Monitoring Program
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

San Gabriel River Watershed-San Jose Creek

Water Body	San Gabriel River Watershed-San Jose Creek
Stressor/Media/Beneficial Use	pH/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	San Jose Creek Reclamation Facility
Linkage between measurement endpoint and beneficial use or standard	CTR and BP WQO linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	Based on CTR and BP WQO for pH
Water Body-specific Information	Data 1-5 years old, data measure in waterbody, samples taken in different years in sum and fall
Data used to assess water quality	474 water samples, 180 samples exceeding
Spatial representation	Upstream of San Jose Creek and nonpoint source discharge from urban runoff.
Temporal representation	7/97 and 9/00
Data type	Numerical
Use of standard method	San Jose Creek Reclamation Facility
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List (pH exceedance above 8.5)
SWRCB Staff Recommendation	List

Region 4

San Gabriel River Watershed- Estuary

Water Body	San Gabriel River Watershed- Estuary
Stressor/Media/Beneficial Use	Arsenic/Tissue/ Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	QAPP
Linkage between measurement endpoint and beneficial use or standard	MTRLs linked to Fish Consumption
Utility of measure for judging if standards or uses are not attained	No tissue MTRL for arsenic
Water Body-specific Information	No new data
Data used to assess water quality	No new data
Spatial representation	Unknown
Temporal representation	Unknown
Data type	No new data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (There is no longer a MTRL for arsenic)
SWRCB Staff Recommendation	Delist

Region 4

San Gabriel River Estuary

Water Body	San Gabriel River Estuary
Stressor/Media/Beneficial Use	Trash/Water/REC1 and 2, wildlife
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and beneficial use or standard	Trash is Linked to Rec. 2
Utility of measure for judging if standards or uses are not attained	Based on photograph, no procedure to quantify photographs
Water Body-specific Information	photographs
Data used to assess water quality	photographs
Spatial representation	several locations
Temporal representation	Fall of 2000
Data type	Photograph
Use of standard method	Unknown
Potential Source(s) of Pollutant	Storm water discharge
Alternative Enforceable Program	Enforceable storm water permit in place that could possibly address this problem.
RWQCB Recommendation	List (Non-attainment of the narrative objective for floating and settleable materials objective described in the basin plan)
SWRCB Staff Recommendation	Watch List (Alternative enforceable program in place).

Region 4

San Gabriel Watershed- Estuary

Water Body	San Gabriel Watershed- Estuary
Stressor/Media/Beneficial Use	Ammonia as Nitrogen/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Sanitation District as part of the receiving water monitoring program for the San Jose Creek Water Reclamation plant.
Linkage between measurement endpoint and beneficial use or standard	CTR and BP WQO is linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	Based on CTR and BP WQO for Ammonia as Nitrogen
Water Body-specific Information	Data 2-3 years old, data measure from site, samples taken different seasons and years
Data used to assess water quality	117 water samples, 34 exceeding samples
Spatial representation	3 sites
Temporal representation	Summer 97, fall 98, spring 00
Data type	Numerical
Use of standard method	Los Angeles County Sanitation District as part of the receiving water monitoring program for the San Jose Creek Water Reclamation plant
Potential Source(s) of Pollutant	Point sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Santa Clara River Estuary

Water Body	Santa Clara River Estuary
Stressor/Media/Beneficial Use	Chem A/Tissue/no BU or WQO presented
Data quality assessment. Extent to which data quality requirements met.	QAPP (BPTCP, TSMP)
Linkage between measurement endpoint and beneficial use or standard	No Basin Plan WQO or Beneficial Use listed
Utility of measure for judging if standards or uses are not attained	Listing was based on old NAS guidelines
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	No data presented
Use of standard method	TSMP, BPTCP
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Based on old NAS Guidelines)
SWRCB Staff Recommendation	Maintain Listing (NAS guideline should be used until alternate value is available).

Region 4

Santa Clara River Estuary Beach

Water Body	Santa Clara River Estuary Beach
Stressor/Media/Beneficial Use	Total Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Ventura Division of Environmental Health Services
Linkage between measurement endpoint and beneficial use or standard	Total coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	Ocean Plan WQO
Water Body-specific Information	Data 2-4 years old, samples collected at site, collected during all seasons
Data used to assess water quality	102 bacteria samples, 15 samples exceeding in 400 MPN/100ml
Spatial representation	2 sites
Temporal representation	Fall, winter, spring, summer, fall (87-00)
Data type	Numerical
Use of standard method	Ventura Division of Environmental Health Services
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist
SWRCB Staff Recommendation	Delist

Region 4

Santa Clara River Estuary Beach

Water Body	Santa Clara River Estuary Beach
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Ventura Division of Environmental Health Services
Linkage between measurement endpoint and beneficial use or standard	Fecal coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	Ocean Plan WQO
Water Body-specific Information	Data 2-4 years old, samples collected at site, collected during all seasons
Data used to assess water quality	102 bacteria samples, 0 samples exceeding in 400 MPN/100ml
Spatial representation	2 sites
Temporal representation	Fall, winter, spring, summer, fall (87-00)
Data type	Numerical
Use of standard method	Ventura Division of Environmental Health Services
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist
SWRCB Staff Recommendation	Delist

Region 4

Santa Clara River R 3 (Freeman Diversion to Fillmore Street A)

Water Body	Santa Clara River R 3 (Freeman Diversion to Fillmore Street A)
Stressor/Media/Beneficial Use	Nitrite and Nitrate as Nitrogen/Water/Agriculture and Groundwater recharge
Data quality assessment. Extent to which data quality requirements met.	POTW, United Water Conservation District, Department of Water Resources
Linkage between measurement endpoint and beneficial use or standard	Basin Plan WQO linked to Agriculture and Groundwater Recharge
Utility of measure for judging if standards or uses are not attained	Basin Plan WQO exceedances
Water Body-specific Information	Data 2-5 years old, samples collected at site
Data used to assess water quality	45 water samples, 5 sample exceeding
Spatial representation	Samples representative of reach.
Temporal representation	Quarterly sampling events
Data type	Numerical
Use of standard method	POTW, United Water Conservation District, Department of Water Resources
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List (Exceedances in Basin Plan WQO for Nitrite as Nitrogen)
SWRCB Staff Recommendation	Watch List (not enough exceeding samples to list)

Region 4

Santa Clara River R 3 (Freeman Diversion to Fillmore Street A)

Water Body	Santa Clara River R 3 (Freeman Diversion to Fillmore Street A)
Stressor/Media/Beneficial Use	Nitrite as Nitrogen/Water/Agriculture and Groundwater Recharge
Data quality assessment. Extent to which data quality requirements met.	POTW, United Water Conservation District, Department of Water Resources
Linkage between measurement endpoint and beneficial use or standard	Basin Plan WQO linked to Agriculture and Groundwater Recharge
Utility of measure for judging if standards or uses are not attained	Basin Plan WQO exceedances
Water Body-specific Information	Data 2-5 years old, samples collected at site
Data used to assess water quality	30 water samples, 5 sample exceeding
Spatial representation	Samples representative of reach.
Temporal representation	Quarterly sampling events
Data type	Numerical
Use of standard method	POTW, United Water Conservation District, Department of Water Resources
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Santa Clara River R 3 (Freeman Diversion to Fillmore Street A)

Water Body	Santa Clara River R 3 (Freeman Diversion to Fillmore Street A)
Stressor/Media/Beneficial Use	Total Dissolved Solids/Water/Groundwater Recharge and Agriculture
Data quality assessment. Extent to which data quality requirements met.	POTW, United Water Conservation District, Department of Water Resources
Linkage between measurement endpoint and beneficial use or standard	Basin Plan WQO linked to Agriculture and Groundwater Recharge
Utility of measure for judging if standards or uses are not attained	Basin Plan WQO exceedances
Water Body-specific Information	Data 2-5 years old, samples collected at site
Data used to assess water quality	189 water samples, 4 sample exceeding
Spatial representation	Samples representative of reach.
Temporal representation	Quarterly sampling events
Data type	Numerical
Use of standard method	POTW, United Water Conservation District, Department of Water Resources
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	Exclude from list (Not enough exceeding samples to list)

Region 4

Pole Creek/Canyon Tributary to Santa Clara River R3 (Freeman

Water Body	Pole Creek/Canyon Tributary to Santa Clara River R3 (Freeman Diversion to Fillmore Street A)
Stressor/Media/Beneficial Use	Sulfate/Water/Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and beneficial use or standard	Basin Plan WQO linked to Agriculture
Utility of measure for judging if standards or uses are not attained	Measurement end point applicable to Agriculture, Exceed WQO for Agriculture
Water Body-specific Information	Data 2-5 years old, samples collected at site
Data used to assess water quality	12 water samples, 11 sample exceeding
Spatial representation	Limited
Temporal representation	Less than quarterly sampling.
Data type	Numerical
Use of standard method	United Water Conservation District
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Pole Creek/Canyon Tributary to Santa Clara River R3 (Freeman

Water Body	Pole Creek/Canyon Tributary to Santa Clara River R3 (Freeman Diversion to Fillmore Street A)
Stressor/Media/Beneficial Use	TDS/Water/Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and beneficial use or standard	Basin Plan WQO linked to Agriculture
Utility of measure for judging if standards or uses are not attained	Measurement end point applicable to Agriculture, Exceed WQO for Agriculture
Water Body-specific Information	Data 2-5 years old, samples collected at site
Data used to assess water quality	12 water samples, 11 sample exceeding
Spatial representation	Limited
Temporal representation	Less than quarterly sampling.
Data type	Numerical
Use of standard method	United Water Conservation District
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Sespe Creek Tributary to Santa Clara River Reach 3 (Freeman

Water Body	Sespe Creek Tributary to Santa Clara River Reach 3 (Freeman Diversion to Fillmore Street A)
Stressor/Media/Beneficial Use	Chloride/Water/Aquatic Life and Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and beneficial use or standard	Numerical WQO value linked to Agriculture and Aquatic Life
Utility of measure for judging if standards or uses are not attained	Numerical values exceed 60 mg/L
Water Body-specific Information	Data 2 - 5 years old, sample measured from site
Data used to assess water quality	16 water samples, 6 sample exceeding
Spatial representation	Samples representative of reach.
Temporal representation	Quarterly sampling events
Data type	Numerical
Use of standard method	United Water Conservation District
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Sespe Creek Tributary to Santa Clara River Reach 3 (Freeman

Water Body	Sespe Creek Tributary to Santa Clara River Reach 3 (Freeman Diversion to Fillmore Street A)
Stressor/Media/Beneficial Use	pH/Water/Aquatic Life and Agriculture
Data quality assessment. Extent to which data quality requirements met.	POTW, United Water Conservation District
Linkage between measurement endpoint and beneficial use or standard	Numerical WQO value linked to Agriculture and Aquatic Life
Utility of measure for judging if standards or uses are not attained	Numerical values reside outside of the Basin Plan WQO (pH 6.5 - 8.5)
Water Body-specific Information	Data 2 - 5 years old, sample measured from site
Data used to assess water quality	24 water samples, 6 sample exceeding
Spatial representation	Samples representative of reach.
Temporal representation	Quarterly sampling events
Data type	Numerical
Use of standard method	POTW, United Water Conservation District
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Hopper Creek Tributary to Santa Clara River Reach 4 (Fillmore Street)

Water Body	Hopper Creek Tributary to Santa Clara River Reach 4 (Fillmore Street Blue Cut Gauging Station)
Stressor/Media/Beneficial Use	Sulfate/Water/Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and beneficial use or standard	WQO numerical linked to Agriculture BU
Utility of measure for judging if standards or uses are not attained	Measurement end point applicable to Agriculture, Exceed WQO for Agriculture
Water Body-specific Information	Data 2-5 years old, samples collected at site
Data used to assess water quality	12 water samples, 11 sample exceeding
Spatial representation	Limited
Temporal representation	Quarterly sampling events
Data type	Numerical
Use of standard method	United Water Conservation District
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Hopper Creek Tributary to Santa Clara River Reach 4 (Fillmore Street)

Water Body	Hopper Creek Tributary to Santa Clara River Reach 4 (Fillmore Street Blue Cut Gauging Station)
Stressor/Media/Beneficial Use	TDS/Water/Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and beneficial use or standard	WQO numerical linked to Agriculture BU
Utility of measure for judging if standards or uses are not attained	Measurement end point applicable to Agriculture, Exceed WQO for Agriculture
Water Body-specific Information	Data 2-5 years old, samples collected at site
Data used to assess water quality	11 water samples, 10 sample exceeding
Spatial representation	Limited
Temporal representation	Quarterly sampling events
Data type	Numerical
Use of standard method	United Water Conservation District
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Piru Creek Tributary to Santa Clara River Reach 4 (Fillmore A Street

Water Body	Piru Creek Tributary to Santa Clara River Reach 4 (Fillmore A Street and Blue Cut Gauging Station)
Stressor/Media/Beneficial Use	pH/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and beneficial use or standard	Basin Plan WQO linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	Exceedance of Basin Plan WQO
Water Body-specific Information	Data 2-5 years old, samples collected at site
Data used to assess water quality	24 water samples, 4 samples exceeding
Spatial representation	Samples representative of reach.
Temporal representation	Quarterly sampling events
Data type	Numerical
Use of standard method	United Water Conservation District
Potential Source(s) of Pollutant	Nonpoint sources and Conservation Discharge Releases
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Todd Barranca-Wheeler Creek/Canyon Tributary to Santa Clara River

Water Body	Todd Barranca-Wheeler Creek/Canyon Tributary to Santa Clara River R3 (Freeman Diversion to Fillmore Street A)
Stressor/Media/Beneficial Use	Sulfate/Water/Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and beneficial use or standard	Basin Plan WQO linked to Agriculture
Utility of measure for judging if standards or uses are not attained	Measurement end point applicable to Agriculture, Exceed WQO for Agriculture
Water Body-specific Information	Data 2-5 years old, samples collected at site
Data used to assess water quality	12 water samples, 11 sample exceeding
Spatial representation	Limited
Temporal representation	Quarterly sampling events
Data type	Numerical
Use of standard method	United Water Conservation District
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Todd Barranca-Wheeler Creek/Canyon Tributary to Santa Clara River

Water Body	Todd Barranca-Wheeler Creek/Canyon Tributary to Santa Clara River R3 (Freeman Diversion to Fillmore Street A)
Stressor/Media/Beneficial Use	TDS/Water/Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and beneficial use or standard	Basin Plan WQO linked to Agriculture
Utility of measure for judging if standards or uses are not attained	Measurement end pt. applicable to Agriculture, Exceed WQO for Agriculture
Water Body-specific Information	Data 2-5 years old, samples collected at site
Data used to assess water quality	12 water samples, 12 sample exceeding
Spatial representation	Limited
Temporal representation	Quarterly sampling events
Data type	Numerical
Use of standard method	United Water Conservation District
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

LA Harbor-Consolidated Slip

Water Body	LA Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Arsenic/sediment/Aquatic Life and COMM
Data quality assessment. Extent to which data quality requirements met.	QAPP (BPTCP, SMWP)
Linkage between measurement endpoint and beneficial use or standard	ERM-PEL linked Aquatic Life and COMM BU
Utility of measure for judging if standards or uses are not attained	ERM-PELs is an applicable measurement for Aquatic Life
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	Numerical
Use of standard method	BPTCP, SMWP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	BPTCP Consolidated Cleanup Plan
RWQCB Recommendation	List (Due to exceedances of ERM-PELs)
SWRCB Staff Recommendation	Watch List (BPTCP enforceable program in place)

Region 4

LA Harbor-Consolidated Slip

Water Body	LA Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Cadmium/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP (BPTCP, SMWP)
Linkage between measurement endpoint and beneficial use or standard	ERM-PEL linked Aquatic Life and COMM BU.
Utility of measure for judging if standards or uses are not attained	ERM-PELs is applicable measurement for Aquatic Life.
Water Body-specific Information	Data 6 years old, one-time sample event, one season event
Data used to assess water quality	14 sediment sample, number of exceeding samples unclear (4-6)
Spatial representation	Samples were collected spatially.
Temporal representation	One-time sample
Data type	Numerical
Use of standard method	BPTCP, SMWP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	BPTCP Consolidated Cleanup Plan
RWQCB Recommendation	List
SWRCB Staff Recommendation	Watch List (BPTCP enforceable program in place)

Region 4

LA Harbor-Consolidated Slip

Water Body	LA Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Copper/sediment/Aquatic Life and COMM BU
Data quality assessment. Extent to which data quality requirements met.	QAPP (BPTCP, SMWP)
Linkage between measurement endpoint and beneficial use or standard	ERM-PEL linked to Aquatic Life and COMM BU.
Utility of measure for judging if standards or uses are not attained	ERM-PELs is an applicable measurement for Aquatic Life and COMM.
Water Body-specific Information	Data 6-10 years old, environmental data measured at site/waterbody
Data used to assess water quality	19 sediment samples, 18- 19 sample exceeding, number of samples exceeding for sediment toxicity is unclear
Spatial representation	Samples were collected spatially.
Temporal representation	3 different year and seasons
Data type	Numerical
Use of standard method	BPTCP and SMWP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	BPTCP Consolidated Cleanup Plan
RWQCB Recommendation	List
SWRCB Staff Recommendation	Watch List (BPTCP enforceable program in place)

Region 4

LA Harbor-Consolidated Slip

Water Body	LA Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Mercury/sediment/Aquatic Life and COMM BU
Data quality assessment. Extent to which data quality requirements met.	QAPP (BPTCP, SMWP)
Linkage between measurement endpoint and beneficial use or standard	ERM-PEL is linked to Aquatic Life and COMM BU
Utility of measure for judging if standards or uses are not attained	ERM-PELs is an applicable measurement for Aquatic Life and COMM BU.
Water Body-specific Information	Data 6-10 years old, environmental data measured at site/waterbody, 3 years-3 seasons
Data used to assess water quality	19 sediment samples, 5 samples exceeding (for Chemistry)
Spatial representation	Samples were collected spatially.
Temporal representation	3 different year and seasons
Data type	Numerical
Use of standard method	BPTCP and SWMP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	BPTCP Consolidated Cleanup Plan
RWQCB Recommendation	List
SWRCB Staff Recommendation	Watch List (BPTCP enforceable program in place)

Region 4

LA Harbor-Consolidated Slip

Water Body	LA Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Nickel/sediment/Aquatic Life and COMM BU
Data quality assessment. Extent to which data quality requirements met.	QAPP (BPTCP, SMWP)
Linkage between measurement endpoint and beneficial use or standard	ERM-PEL linked to Aquatic Life and COMM BU.
Utility of measure for judging if standards or uses are not attained	ERM-PELs are an applicable measurement for COMM BU.
Water Body-specific Information	Data 6-10 years old, environmental data measured at site/waterbody, 2 seasons-2 different years
Data used to assess water quality	19 sediment samples, 5 samples exceeding (for Chemistry), number of samples exceeding for sediment toxicity is unclear
Spatial representation	Samples were collected spatially.
Temporal representation	3 different year and seasons
Data type	Numerical
Use of standard method	BPTCP and SMWP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	BPTCP Consolidated Cleanup Plan
RWQCB Recommendation	List
SWRCB Staff Recommendation	Watch List (BPTCP enforceable program in place)

Region 4

LA Harbor-Consolidated Slip

Water Body	LA Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Dieldrin/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	QAPP (SMWP)
Linkage between measurement endpoint and beneficial use or standard	MTRLs are linked to COMM.
Utility of measure for judging if standards or uses are not attained	MTRL are applicable to COMM BU in the SMWP.
Water Body-specific Information	Data 7-9 years old, environmental data measured at site/waterbody, samples collected during 2 different seasons and years
Data used to assess water quality	6 tissue samples, 3 samples exceeding
Spatial representation	Samples were collected spatially.
Temporal representation	Samples were collected temporally.
Data type	Numerical
Use of standard method	SMWP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	BPTCP Consolidated Cleanup Plan
RWQCB Recommendation	List
SWRCB Staff Recommendation	Watch List (BPTCP enforceable program in place)

Region 4

LA Harbor-Consolidated Slip

Water Body	LA Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Toxaphene/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	QAPP (SMWP)
Linkage between measurement endpoint and beneficial use or standard	MTRLs from SMWP are linked to COMM BU.
Utility of measure for judging if standards or uses are not attained	MTRLs are applicable to COMM BU in the SWMP.
Water Body-specific Information	Data 4-7 years old, environmental data measured at site/waterbody, species present, samples collected during 2 different seasons and years
Data used to assess water quality	3 tissue samples, 3 samples exceeding
Spatial representation	Samples were collected spatially.
Temporal representation	Samples were collected temporally.
Data type	Numerical
Use of standard method	SMWP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	BPTCP Consolidated Cleanup Plan
RWQCB Recommendation	List (Due to exceedances in MTRLs)
SWRCB Staff Recommendation	Watch List (BPTCP enforceable program in place)

Region 4

LA Harbor-Consolidated Slip

Water Body	LA Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	TBT/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	SMWP
Linkage between measurement endpoint and beneficial use or standard	SMWP data is linked to COMM BU
Utility of measure for judging if standards or uses are not attained	Data was used to assess background levels rather than valid assessment guidelines.
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	Samples were collected spatially.
Temporal representation	Samples were collected temporally.
Data type	Numerical
Use of standard method	SMWP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	BPTCP Consolidated Cleanup Plan
RWQCB Recommendation	Delist (Listing was based on exceeding background levels rather than valid assessment of guidelines. Delisting applies to LA Harbor Consolidated Slip, Fish Harbor, Inner Breakwater and Main Channel)
SWRCB Staff Recommendation	Delist

Region 4

LA Harbor-Consolidated Slip

Water Body	LA Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Zinc/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	SMWP
Linkage between measurement endpoint and beneficial use or standard	SMWP data is linked to COMM BU
Utility of measure for judging if standards or uses are not attained	Data used to assess background levels rather than valid assessment guidelines.
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	Samples were collected spatially.
Temporal representation	Samples were collected temporally.
Data type	Numerical
Use of standard method	SMWP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	BPTCP Consolidated Cleanup Plan
RWQCB Recommendation	Delist (Listing was based on exceeding background levels rather than valid assessment guidelines)
SWRCB Staff Recommendation	Delist

Region 4

Los Angeles River Reach 1

Water Body	Los Angeles River Reach 1
Stressor/Media/Beneficial Use	Total Aluminum/Water/Groundwater Recharge
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Stormwater Program
Linkage between measurement endpoint and beneficial use or standard	WQO for Aluminum (MCLs) are linked to groundwater recharge.
Utility of measure for judging if standards or uses are not attained	MCLs are applicable to groundwater recharge BU.
Water Body-specific Information	Data is 3-5 year old, data measured in the waterbody, samples collected different in seasons and years
Data used to assess water quality	18 water samples, 10 samples exceeding
Spatial representation	Samples were collected mainly in the main stem of the LA River.
Temporal representation	Fall-97, winter- fall 98, winter 99
Data type	Numerical
Use of standard method	TSMP Data
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Los Angeles River Reach 1

Water Body	Los Angeles River Reach 1
Stressor/Media/Beneficial Use	Dissolved Zinc/Water/ aquatic life (warm-freshwater and wildlife habitat)
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Stormwater Program
Linkage between measurement endpoint and beneficial use or standard	CTR for zinc linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Based on CTR for zinc
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years
Data used to assess water quality	18 water samples, 7 samples exceeding (acute and chronic criteria)
Spatial representation	Samples were collected mainly in the main stem of the LA River.
Temporal representation	Fall, winter in different years
Data type	Numerical
Use of standard method	Stormwater Monitoring Program
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List (Greater than 10% exceedance of dissolved zinc acute and chronic water quality criteria for protection of freshwater aquatic life)
SWRCB Staff Recommendation	List

Region 4

Los Angeles River Reach 1

Water Body	Los Angeles River Reach 1
Stressor/Media/Beneficial Use	Dissolved Copper/ Water/ aquatic life (warm-freshwater and wildlife habitat)
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Stormwater Program
Linkage between measurement endpoint and beneficial use or standard	CTR for copper linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Based on CTR for cadmium
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years
Data used to assess water quality	18 water samples, 11 samples exceeding (acute), 13 samples exceeding (chronic)
Spatial representation	Samples were collected mostly in main stem of LA River.
Temporal representation	Fall, winter, spring (97-99)
Data type	Numerical
Use of standard method	Los Angeles County
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List (Greater than 10% exceedance of dissolved copper water quality criteria for protection of freshwater aquatic life)
SWRCB Staff Recommendation	List

Region 4

Los Angeles River Reach 1

Water Body	Los Angeles River Reach 1
Stressor/Media/Beneficial Use	Dissolved Cadmium/Water/ Aquatic life, Warm, wildlife
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Stormwater Program
Linkage between measurement endpoint and beneficial use or standard	CTRs for cadmium linked to Aquatic life BU and drinking water standard CA Code title 22.
Utility of measure for judging if standards or uses are not attained	Based on CTRs for cadmium
Water Body-specific Information	Data 3-5 years old, data measured in waterbody, sample taken different seasons and years
Data used to assess water quality	18 water samples, 4 samples exceeding (acute), 6 samples exceeding (chronic), 2 samples exceeding (CTR Title 22)
Spatial representation	Samples were collected mostly in main stem of LA River.
Temporal representation	Fall, winter, fall, spring (97-99)
Data type	Numerical
Use of standard method	Stormwater Monitoring Program
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List (Greater than 10% exceedance of dissolved and total cadmium water quality criteria for protection of freshwater aquatic life and potential drinking water sources.)
SWRCB Staff Recommendation	List for acute and chronic effects of CTR Cadmium concentrations in water to protect aquatic life BU. Not enough exceeding samples to list for Title 22 exceedances.

Region 4

Los Angeles River R5 (within Sepulveda Basin)

Water Body	Los Angeles River R5 (within Sepulveda Basin)
Stressor/Media/Beneficial Use	Chem A/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP
Linkage between measurement endpoint and beneficial use or standard	NAS guidelines are linked to Aquatic life BU
Utility of measure for judging if standards or uses are not attained	NAS guidelines are applicable to Aquatic Life
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	Samples were collected spatially.
Temporal representation	Samples were collected temporally.
Data type	Numerical
Use of standard method	No data presented
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing was based on old NAS guideline which no longer represent valid assessment guidelines)
SWRCB Staff Recommendation	Maintain listing (NAS guidelines are a valid assessment guideline and no new data presented)

Region 4

Los Angeles River R5 (within Sepulveda Basin)

Water Body	Los Angeles River R5 (within Sepulveda Basin)
Stressor/Media/Beneficial Use	Chlorpyrifos/Tissue/ Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP
Linkage between measurement endpoint and beneficial use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	Based on EDLs, which is not valid assessment guideline.
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	Unknown
Data type	No data presented
Use of standard method	No data presented
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing was based on EDLs which no longer represent valid assessment guidelines)
SWRCB Staff Recommendation	Delist

Region 4

Los Angeles River Estuary (Queensway Bay)

Water Body	Los Angeles River Estuary (Queensway Bay)
Stressor/Media/Beneficial Use	Lead/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and beneficial use or standard	Linkage to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	ERM-PELs
Water Body-specific Information	Data 4-10 years old, data measured at site, data measured in different years
Data used to assess water quality	18 sediment samples, 8 samples exceeding
Spatial representation	Samples were collected spatially.
Temporal representation	Samples taken in 2 different years
Data type	Numerical
Use of standard method	BPTCP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Los Angeles River Estuary (Queensway Bay)

Water Body	Los Angeles River Estuary (Queensway Bay)
Stressor/Media/Beneficial Use	Chlordane/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and beneficial use or standard	Linkage with Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life BU.
Water Body-specific Information	Data 4-10 years old, data measured at site, data measured in different years.
Data used to assess water quality	9 sediment samples, 9 samples exceeding
Spatial representation	Samples were collected spatially.
Temporal representation	Samples taken in 2 different years
Data type	Numerical
Use of standard method	BPTCP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Los Angeles River Estuary (Queensway Bay)

Water Body	Los Angeles River Estuary (Queensway Bay)
Stressor/Media/Beneficial Use	DDT/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and beneficial use or standard	Linkage with Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life BU.
Water Body-specific Information	Data 4-10 years old, data measured at site, data measured in different years
Data used to assess water quality	9 samples, 6 samples exceeding
Spatial representation	Samples were collected spatially.
Temporal representation	Samples taken in 2 different years
Data type	Numerical
Use of standard method	BPTCP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Los Angeles River Estuary (Queensway Bay)

Water Body	Los Angeles River Estuary (Queensway Bay)
Stressor/Media/Beneficial Use	PCBs/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and beneficial use or standard	Linkage with Aquatic Life BU.
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life BU.
Water Body-specific Information	Data 4-10 years old, data measured at site, data measured in different years
Data used to assess water quality	18 samples, 2 samples exceeding
Spatial representation	Samples were collected spatially.
Temporal representation	Samples taken in 2 different years
Data type	Numerical
Use of standard method	BPTCP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants
Alternative Enforceable Program	
RWQCB Recommendation	List (Due to exceedances of sediment quality guidelines ERM-PELs)
SWRCB Staff Recommendation	Watch List (Not enough exceeding samples to list)

Region 4

Los Angeles Watershed R2-Dry Canyon Creek

Water Body	Los Angeles Watershed R2-Dry Canyon Creek
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	City of Calabasas
Linkage between measurement endpoint and beneficial use or standard	Linkage with REC1 BU.
Utility of measure for judging if standards or uses are not attained	BP WQO
Water Body-specific Information	Data 1-2 years, data measured at site, seasonality and years
Data used to assess water quality	56 samples, 11 samples exceeding
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Fall, winter, spring in different years
Data type	Numerical
Use of standard method	City of Calabasas
Potential Source(s) of Pollutant	Natural and urban sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Los Angeles Watershed R2-Dry Canyon Creek

Water Body	Los Angeles Watershed R2-Dry Canyon Creek
Stressor/Media/Beneficial Use	Total Selenium/Water/Aquatic Life, warm freshwater and wildlife habitat
Data quality assessment. Extent to which data quality requirements met.	City of Calabasas
Linkage between measurement endpoint and beneficial use or standard	Linkage to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	CTR
Water Body-specific Information	Data 1-2 years, data measured at site, multiple event in different seasons
Data used to assess water quality	32 water samples, 9 sample exceeding
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Fall, winter, spring in different years
Data type	Numerical
Use of standard method	City of Calabasas
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Los Angeles River R2-McCoy Canyon Creek

Water Body	Los Angeles River R2-McCoy Canyon Creek
Stressor/Media/Beneficial Use	Nitrate as Nitrogen/Water/Groundwater recharge
Data quality assessment. Extent to which data quality requirements met.	City of Calabasas
Linkage between measurement endpoint and beneficial use or standard	Linkage with Groundwater Recharge BU
Utility of measure for judging if standards or uses are not attained	BP WQO
Water Body-specific Information	Data 1-2 years, data measured at site, sample during multiple seasons
Data used to assess water quality	51 water samples, 19 samples exceeding
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Spring, summer, fall, winter
Data type	Numerical
Use of standard method	City of Calabasas
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Los Angeles River R2-McCoy Canyon Creek

Water Body	Los Angeles River R2-McCoy Canyon Creek
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	City of Calabasas
Linkage between measurement endpoint and beneficial use or standard	Linkage with REC1 BU.
Utility of measure for judging if standards or uses are not attained	BP WQO
Water Body-specific Information	Data 1-3 years old, data measured at site, all season samples
Data used to assess water quality	56 bacterial samples, 38 sample exceeding
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Spring, summer, fall, winter
Data type	Numerical
Use of standard method	City of Calabasas
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Los Angeles River R2-McCoy Canyon Creek

Water Body	Los Angeles River R2-McCoy Canyon Creek
Stressor/Media/Beneficial Use	Total Selenium/Water/Aquatic Life, warm freshwater and wildlife habitat
Data quality assessment. Extent to which data quality requirements met.	City of Calabasas
Linkage between measurement endpoint and beneficial use or standard	CTR Linkage with Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Based on CTR for selenium
Water Body-specific Information	Data 1-2 years, data measured at site, sample during multiple seasons
Data used to assess water quality	33 water samples, 32 samples exceeding
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Spring, fall, winter
Data type	Numerical
Use of standard method	City of Calabasas
Potential Source(s) of Pollutant	Natural and urban sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Los Angeles River R2-McCoy Canyon Creek

Water Body	Los Angeles River R2-McCoy Canyon Creek
Stressor/Media/Beneficial Use	Nitrate as Nitrogen/Water/Groundwater recharge
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and beneficial use or standard	MCL linkage with groundwater recharge
Utility of measure for judging if standards or uses are not attained	Based on MCL for Nitrate
Water Body-specific Information	Data 1-2 years, data measured at site, sample during multiple seasons
Data used to assess water quality	51 water samples, 19 samples exceeding
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Spring-summer-fall 00 and winter-spring 01
Data type	Numerical
Use of standard method	City of Calabasas
Potential Source(s) of Pollutant	Runoff from natural and urban sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Coyote Creek

Water Body	Coyote Creek
Stressor/Media/Beneficial Use	Silver/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP TSMP
Linkage between measurement endpoint and beneficial use or standard	No linkage to Aquatic Life BU (EDL and MTRL)
Utility of measure for judging if standards or uses are not attained	MTRLs and EDLs not applicable to Aquatic Life BU
Water Body-specific Information	Data 5 years old, measured at site, species present, one sample event
Data used to assess water quality	1 tissue sample, unknown number samples exceeding
Spatial representation	One sample only
Temporal representation	One sample event
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing was based on EDL which no longer represents valid assessment guidelines.)
SWRCB Staff Recommendation	Delist (MTRLs and EDLs not linked to Aquatic Life BU)

Region 4

Dominguez Channel Estuary (to Vermont)

Water Body	Dominguez Channel Estuary (to Vermont)
Stressor/Media/Beneficial Use	unknown pollutant/sediment toxicity/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP (BPTCP, SMW)
Linkage between measurement endpoint and beneficial use or standard	Link between Aquatic Life BU and end point
Utility of measure for judging if standards or uses are not attained	Measure accepted but has limited applicability.
Water Body-specific Information	Data 7 years old, environmental data measured at site/waterbody, one-time sample
Data used to assess water quality	1 sediment sample
Spatial representation	One sample only
Temporal representation	One sample event
Data type	Numerical
Use of standard method	BPTCP, SMWP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants for DDT, chlordane and PCBs. Stormwater runoff, aerial deposition and historical discharges for copper
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	Watch List (No pollutant identified and based on one sample only)

Region 4

Dominguez Channel Estuary (to Vermont)

Water Body	Dominguez Channel Estuary (to Vermont)
Stressor/Media/Beneficial Use	Copper/sediment/ Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP (BPTCP, SMWP)
Linkage between measurement endpoint and beneficial use or standard	ERM-PEL linkage between BU and endpoints
Utility of measure for judging if standards or uses are not attained	ERM-PELs
Water Body-specific Information	Data 7 years old, environmental data measured at site, one-time sample, one event
Data used to assess water quality	1 sediment sample, 1 sample exceeding
Spatial representation	One sample only
Temporal representation	One sample event
Data type	Numerical
Use of standard method	BPTCP, SMWP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants for DDT, chlordane and PCBs. Stormwater runoff, aerial deposition and historical discharges for copper
Alternative Enforceable Program	BPTCP Consolidated Plan
RWQCB Recommendation	List (Due to exceedances of ERM-PELs)
SWRCB Staff Recommendation	Watch List (Alternative program in place).

Region 4

Dominguez Channel Estuary (to Vermont)

Water Body	Dominguez Channel Estuary (to Vermont)
Stressor/Media/Beneficial Use	Chlordane/sediment/ Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP (BPTCP, SMWP)
Linkage between measurement endpoint and beneficial use or standard	ERM-PEL linkage between BU and endpoints
Utility of measure for judging if standards or uses are not attained	ERM-PELs
Water Body-specific Information	Data 8 years old, environmental data measured at site, one-time sample, one event
Data used to assess water quality	1 sediment sample, 1 sample exceeding
Spatial representation	One sample only
Temporal representation	One sample event
Data type	Numerical
Use of standard method	Unknown
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants for DDT, chlordane and PCBs. Stormwater runoff, aerial deposition and historical discharges for copper
Alternative Enforceable Program	BPTCP Consolidated Plan
RWQCB Recommendation	List (Due to exceedance in ERM-PELs)
SWRCB Staff Recommendation	Watch List (Alternative program in place).

Region 4

Dominguez Channel Estuary (to Vermont)

Water Body	Dominguez Channel Estuary (to Vermont)
Stressor/Media/Beneficial Use	PCBs/sediment/ Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP (BPTCP, SMWP)
Linkage between measurement endpoint and beneficial use or standard	ERM-PEL linkage between BU and endpoints
Utility of measure for judging if standards or uses are not attained	ERM-PELs
Water Body-specific Information	Data 8 years old, environmental data measured at site, one-time sample, one event
Data used to assess water quality	1 sediment sample, 1 sample exceeding
Spatial representation	One sample only
Temporal representation	One sample event
Data type	Numerical
Use of standard method	BPTCP, SMWP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants for DDT, chlordane and PCBs. Stormwater runoff, aerial deposition and historical discharges for copper
Alternative Enforceable Program	BPTCP Consolidated Plan
RWQCB Recommendation	List (Due to exceedance in ERM-PELs)
SWRCB Staff Recommendation	Watch List (Alternative program in place).

Region 4

Duck Pond Ag Drain/Mufu Drain/Oxnard Drain #2

Water Body	Duck Pond Ag Drain/Mufu Drain/Oxnard Drain #2
Stressor/Media/Beneficial Use	Chem A/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP TSMP
Linkage between measurement endpoint and beneficial use or standard	NAS (tissue) is linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	MTRLs
Water Body-specific Information	No data
Data used to assess water quality	No data
Spatial representation	No data
Temporal representation	No data
Data type	No data
Use of standard method	No data
Potential Source(s) of Pollutant	Historical use of pesticides
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing was based on NAS guidelines, which are outdated, and individual chemicals can be listed for exceedances in MTRLs)
SWRCB Staff Recommendation	Maintain Listing (MTRLs are not linked to Aquatic Life Protection, based on NAS guidelines that are old but not outdated and no new data was presented)

Region 4

Harbor Park Lake

Water Body	Harbor Park Lake
Stressor/Media/Beneficial Use	Chem A/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP TSMP
Linkage between measurement endpoint and beneficial use or standard	NAS guidelines of MTRLs are linked to Aquatic life BU
Utility of measure for judging if standards or uses are not attained	NAS guidelines
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing was based on NAS guidelines, which are outdated and no longer represent valid assessment guidelines.)
SWRCB Staff Recommendation	Maintain Listing (NAS guideline is a valid assessment guideline and no new data was presented)

Region 4

Lake Calabazas

Water Body	Lake Calabazas
Stressor/Media/Beneficial Use	Copper/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to BU
Utility of measure for judging if standards or uses are not attained	EDLs and no new data available
Water Body-specific Information	No new data available. Old data does not linked to Aquatic Life BU, which is an incorrect BU
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	Numerical
Use of standard method	No data presented
Potential Source(s) of Pollutant	Not mentioned
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing was based on EDLs which no longer represent valid assessment guidelines)
SWRCB Staff Recommendation	Delist

Region 4

Lake Calabazas

Water Body	Lake Calabazas
Stressor/Media/Beneficial Use	Zinc/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to BU
Utility of measure for judging if standards or uses are not attained	EDLs and no new data available
Water Body-specific Information	No new data available. Old data is link to Aquatic Life BU, which is an incorrect BU
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	No data presented
Use of standard method	No data presented
Potential Source(s) of Pollutant	Not mentioned
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing was based on EDLs which no longer represent valid assessment guidelines)
SWRCB Staff Recommendation	Delist

Region 4

Lake Lindero

Water Body	Lake Lindero
Stressor/Media/Beneficial Use	Selenium/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP (TSMP)
Linkage between measurement endpoint and beneficial use or standard	MIS linked to Aquatic life
Utility of measure for judging if standards or uses are not attained	Data assessment on Chlordane and Toxaphene not selenium MIS.
Water Body-specific Information	No data on selenium
Data used to assess water quality	Data assessed on Chlordane and Toxaphene not selenium
Spatial representation	No data on selenium
Temporal representation	No data on selenium
Data type	No data on selenium
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing was based on MIS for trace elements, which are outdated and no longer represent valid assessment guidelines.)
SWRCB Staff Recommendation	Maintain listing (Use guideline until replaced by better alternate. No data on selenium presented).

Region 4

Colorado Lagoon

Water Body	Colorado Lagoon
Stressor/Media/Beneficial Use	Lead/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	NA
Linkage between measurement endpoint and beneficial use or standard	EDLs not linked to BU
Utility of measure for judging if standards or uses are not attained	Old data EDLs, no new data available
Water Body-specific Information	No new data available, old data does not link to BU
Data used to assess water quality	No new data presented
Spatial representation	No new data presented
Temporal representation	No new data presented
Data type	No new data presented
Use of standard method	NA
Potential Source(s) of Pollutant	Not mentioned
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing was based on EDLs which no longer represent valid assessment guidelines.)
SWRCB Staff Recommendation	Delist (No new data, old data was based on EDLs)

Region 4

Conejo Creek Reach 1, Calleguas Creek Reach 13 (Confluence Call to

Water Body	Conejo Creek Reach 1, Calleguas Creek Reach 13 (Confluence Call to Santa Rosa Rd)
Stressor/Media/Beneficial Use	Chlordane/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	QAPP (TSMP)
Linkage between measurement endpoint and beneficial use or standard	MTRLS linked to COMM BU
Utility of measure for judging if standards or uses are not attained	MTRLS are applicable to COMM BU
Water Body-specific Information	Data 4 years old, measured at site, species present, one-time sampling
Data used to assess water quality	2 tissue samples, 2 samples exceeding
Spatial representation	Sample was collected spatially.
Temporal representation	One-time sample
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	List (Due to exceedances of MTRLS)
SWRCB Staff Recommendation	List

Region 4

Conejo Creek Reach 1, Calleguas Creek Reach 13 (Confluence Call to

Water Body	Conejo Creek Reach 1, Calleguas Creek Reach 13 (Confluence Call to Santa Rosa Rd)
Stressor/Media/Beneficial Use	Dieldrin/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	QAPP (TSMP)
Linkage between measurement endpoint and beneficial use or standard	MTRLs linked to COMM BU
Utility of measure for judging if standards or uses are not attained	MTRLs are applicable to COMM BU
Water Body-specific Information	Data 4 years old, measured at site, species present, one-time sampling
Data used to assess water quality	2 tissue samples, 2 samples exceeding
Spatial representation	Sample was collected spatially.
Temporal representation	One-time sample
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	List (Due to exceedances of MTRLs)
SWRCB Staff Recommendation	List

Region 4

Conejo Creek Reach 1, Calleguas Creek Reach 13 (Confluence Call to

Water Body	Conejo Creek Reach 1, Calleguas Creek Reach 13 (Confluence Call to Santa Rosa Rd)
Stressor/Media/Beneficial Use	HCH/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	QAPP (TSMP)
Linkage between measurement endpoint and beneficial use or standard	MTRLS are linked to COMM BU
Utility of measure for judging if standards or uses are not attained	MTRLS is applicable to COMM BU
Water Body-specific Information	Data 4 years old, measured at site, species present, one-time sampling
Data used to assess water quality	2 tissue samples, 2 samples exceeding
Spatial representation	Sample was collected spatially.
Temporal representation	One-time sample
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	List (Due to exceedances of MTRLS)
SWRCB Staff Recommendation	List

Region 4

Conejo Creek Reach 1, Calleguas Creek Reach 13 (Confluence Call to

Water Body	Conejo Creek Reach 1, Calleguas Creek Reach 13 (Confluence Call to Santa Rosa Rd)
Stressor/Media/Beneficial Use	PCBs/Tissue/COMM Life
Data quality assessment. Extent to which data quality requirements met.	QAPP (TSMP)
Linkage between measurement endpoint and beneficial use or standard	MTRLS linked to COMM BU
Utility of measure for judging if standards or uses are not attained	MTRLS are applicable to COMM BU
Water Body-specific Information	Data 4 years old, measured at site, one-time sampling
Data used to assess water quality	2 tissue samples, 2 samples exceeding
Spatial representation	Sample was collected spatially.
Temporal representation	One-time sample
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	List (Due to exceedances of MTRLS)
SWRCB Staff Recommendation	List

Region 4

Conejo Creek R1, R2, R3, R4

Water Body	Conejo Creek R1, R2, R3, R4
Stressor/Media/Beneficial Use	Dacthal/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	QAPP (TSMP)
Linkage between measurement endpoint and beneficial use or standard	EDLs are not a valid assessment guideline.
Utility of measure for judging if standards or uses are not attained	EDLs are not a valid assessment guideline.
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing were based on EDLs which no longer represent valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Conejo Creek R1, R2, R3, R4

Water Body	Conejo Creek R1, R2, R3, R4
Stressor/Media/Beneficial Use	Silver/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	QAPP (TSMP)
Linkage between measurement endpoint and beneficial use or standard	EDLs are not a valid assessment guideline.
Utility of measure for judging if standards or uses are not attained	EDLs are not a valid assessment guideline.
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing were based on EDLs which no longer represent valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Conejo Creek R1, R2, R3, R4

Water Body	Conejo Creek R1, R2, R3, R4
Stressor/Media/Beneficial Use	Cadmium/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	QAPP (TSMP)
Linkage between measurement endpoint and beneficial use or standard	EDLs are not a valid assessment guideline.
Utility of measure for judging if standards or uses are not attained	EDLs are not a valid assessment guideline.
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing were based on EDLs which no longer represent valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Conejo Creek R1, R2, R3, R4

Water Body	Conejo Creek R1, R2, R3, R4
Stressor/Media/Beneficial Use	Chromium/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	QAPP (TSMP)
Linkage between measurement endpoint and beneficial use or standard	EDLs are not a valid assessment guideline.
Utility of measure for judging if standards or uses are not attained	EDLs are not a valid assessment guideline.
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing were based on EDLs which no longer represent valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Conejo Creek R1, R2, R3, R4

Water Body	Conejo Creek R1, R2, R3, R4
Stressor/Media/Beneficial Use	Nickel/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	QAPP (TSMP)
Linkage between measurement endpoint and beneficial use or standard	EDLs are not a valid assessment guideline.
Utility of measure for judging if standards or uses are not attained	EDLs are not a valid assessment guideline.
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing were based on EDLs which no longer represent valid assessment guideline)
SWRCB Staff Recommendation	Delist

Region 4

Seaside Park

Water Body	Seaside Park
Stressor/Media/Beneficial Use	Total Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Ventura County Environmental Health Department
Linkage between measurement endpoint and beneficial use or standard	Total Coliform is linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	Ocean and BP WQO exceedances (1000 MPN/100 ml)
Water Body-specific Information	Data 2-4 years old, data collected from site, collected during different seasons and years.
Data used to assess water quality	567 bacteria samples, 164 samples exceeding (1000 MPN/100 ml criteria)
Spatial representation	6 sites
Temporal representation	Winter 98, winter-summer 99, winter-summer-fall 00, winter 01
Data type	Numerical
Use of standard method	Ventura County Environmental Health Department
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Channel Islands Harbor Beach and Hobie Beach

Water Body	Channel Islands Harbor Beach and Hobie Beach
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Ventura County Environmental Health Department
Linkage between measurement endpoint and beneficial use or standard	Fecal Coliform is linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	Ocean and BP WQO exceedances of 400 MPN/100 ml
Water Body-specific Information	Data 2-4 years old, data collected from site, collected during all seasons
Data used to assess water quality	795 bacteria samples, 95 samples exceeding (400 MPN/100 ml criteria)
Spatial representation	15 sites
Temporal representation	Monthly sample during 9/98 - 9/00
Data type	Numerical
Use of standard method	Ventura County Environmental Health Department
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Ormond (Industrial Drain- #43000)

Water Body	Ormond (Industrial Drain- #43000)
Stressor/Media/Beneficial Use	Beach Postings/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Ventura County Environmental Health Department
Linkage between measurement endpoint and beneficial use or standard	Beach postings linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	Beach Posting applicable to REC1 BU
Water Body-specific Information	Data 2 years old, Data collected from sites throughout the 12 months in 2000
Data used to assess water quality	60 Days of beach postings
Spatial representation	Limited
Temporal representation	Throughout 2000
Data type	Numerical
Use of standard method	Ventura County Environmental Health Department
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Peninsula Beach #23000

Water Body	Peninsula Beach #23000
Stressor/Media/Beneficial Use	Beach Postings/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Ventura County Environmental Health Department
Linkage between measurement endpoint and beneficial use or standard	Beach postings linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	Beach Posting applicable to REC1 BU
Water Body-specific Information	Data 2 years old, Data collected from sites throughout the 12 months in 2000
Data used to assess water quality	50 Days of beach postings
Spatial representation	1 site
Temporal representation	Daily and/or Weekly throughout 2000
Data type	Numerical
Use of standard method	Ventura County Environmental Health Department
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Rincon Beach (Flagpole-#1050)

Water Body	Rincon Beach (Flagpole-#1050)
Stressor/Media/Beneficial Use	Beach Postings/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Ventura County Environmental Health Department
Linkage between measurement endpoint and beneficial use or standard	Beach postings link to REC1 BU
Utility of measure for judging if standards or uses are not attained	Beach Posting applicable to REC1 BU
Water Body-specific Information	Data 2 years old, Data collected from sites through the 12 month in 2000
Data used to assess water quality	48 Days of beach postings
Spatial representation	Limited
Temporal representation	Throughout 2000
Data type	Numerical
Use of standard method	Ventura County Environmental Health Department
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Surfer's Point (Stables-#13000)

Water Body	Surfer's Point (Stables-#13000)
Stressor/Media/Beneficial Use	Beach Postings/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Ventura County Environmental Health Department
Linkage between measurement endpoint and beneficial use or standard	Beach postings link to REC1 BU
Utility of measure for judging if standards or uses are not attained	Beach Posting applicable to REC1 BU
Water Body-specific Information	Data 2 years old, Data collected from sites through the 12 month in 2000
Data used to assess water quality	59 Days of beach postings
Spatial representation	1 site
Temporal representation	Throughout 2000
Data type	Numerical
Use of standard method	Ventura County Environmental Health Department
Potential Source(s) of Pollutant	Point and nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

San Buenventure Beach

Water Body	San Buenventure Beach
Stressor/Media/Beneficial Use	Total Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Ventura County Environmental Health Department
Linkage between measurement endpoint and beneficial use or standard	BP and Ocean Plan WQO linked to REC1
Utility of measure for judging if standards or uses are not attained	Ocean Plan (1000 organisms/100 ml) exceedances
Water Body-specific Information	Data 2-4 years old, water samples taken from site, collected during all seasons from 98-00
Data used to assess water quality	466 bacteria samples, 106 samples exceeding
Spatial representation	5 sites
Temporal representation	Fall, winter, summer 98-00
Data type	Numerical
Use of standard method	Ventura County Environmental Health Department
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Ventura River R1 (Estuary to Main Street) and R2 (Main Street to

Water Body	Ventura River R1 (Estuary to Main Street) and R2 (Main Street to Weldon Canyon)
Stressor/Media/Beneficial Use	Copper/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP TSMP
Linkage between measurement endpoint and beneficial use or standard	EDLs are not linked to BU
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to BU
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listings were based on EDLs which do not represent valid assessment guidelines).
SWRCB Staff Recommendation	Delist

Region 4

Ventura River R1 (Estuary to Main Street) and R2 (Main Street to

Water Body	Ventura River R1 (Estuary to Main Street) and R2 (Main Street to Weldon Canyon)
Stressor/Media/Beneficial Use	Selenium/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP TSMP
Linkage between measurement endpoint and beneficial use or standard	EDLs are not linked to BU
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to BU
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listings were based on EDLs which do not represent valid assessment guidelines)
SWRCB Staff Recommendation	Delist

Region 4

Ventura River R1 (Estuary to Main Street) and R2 (Main Street to

Water Body	Ventura River R1 (Estuary to Main Street) and R2 (Main Street to Weldon Canyon)
Stressor/Media/Beneficial Use	Silver/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP TSMP
Linkage between measurement endpoint and beneficial use or standard	EDLs are not linked to BU
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to BU
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listings were based on EDLs which do not represent valid assessment guidelines)
SWRCB Staff Recommendation	Delist

Region 4

Ventura River R1 (Estuary to Main Street) and R2 (Main Street to

Water Body	Ventura River R1 (Estuary to Main Street) and R2 (Main Street to Weldon Canyon)
Stressor/Media/Beneficial Use	Zinc/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP TSMP
Linkage between measurement endpoint and beneficial use or standard	EDLs are not linked to BU
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to BU
Water Body-specific Information	No data presented
Data used to assess water quality	No data presented
Spatial representation	No data presented
Temporal representation	No data presented
Data type	Numerical
Use of standard method	TSMP
Potential Source(s) of Pollutant	Historical use of pesticides
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listings were based on EDLs which do not represent valid assessment guidelines)
SWRCB Staff Recommendation	Delist

Region 4

Ventura Estuary

Water Body	Ventura Estuary
Stressor/Media/Beneficial Use	DDT/Tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	QAPP TSMP and BPTCP
Linkage between measurement endpoint and beneficial use or standard	MTRLs are linked to Fish Consumption
Utility of measure for judging if standards or uses are not attained	MTRLs applicable to Fish Consumption
Water Body-specific Information	Data 10 years old, data measured from site, species present, one time sample
Data used to assess water quality	1 tissue sample, Number of samples exceeding unknown
Spatial representation	Samples were collected spatially.
Temporal representation	One time sample event
Data type	Numerical
Use of standard method	TSMP, BPTCP, NPDES
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Original listing appears to have been based on DDT concentrations found in shiner surf perch in 1993 (TSM); however, the level of 23 ppb of p,p'-DDE is below MTRL-which equals 32.0 ppb)
SWRCB Staff Recommendation	Delist (Listing was based on one sample and concentrations of DDE was below the MTRL).

Region 4

Ventura Estuary

Water Body	Ventura Estuary
Stressor/Media/Beneficial Use	Total coliform/Water/REC1 and shellfish harvesting
Data quality assessment. Extent to which data quality requirements met.	Ojai Valley River Volunteer Monitoring Program
Linkage between measurement endpoint and beneficial use or standard	WQO linked to REC1 and shellfish harvest
Utility of measure for judging if standards or uses are not attained	BP WQO Exceedance for total coliform.
Water Body-specific Information	Data is 2-4 year old, data measured in the waterbody, samples collected different in seasons and years
Data used to assess water quality	37 bacteria samples, Total Coliform (8 exceeding at 1000/100) (14 exceeding at 230/100ml and 37 exceeding at 70/100ml)
Spatial representation	1 site
Temporal representation	Different seasons and years
Data type	Numerical
Use of standard method	Ojai Valley River Volunteer Monitoring Program
Potential Source(s) of Pollutant	Stables and horse property
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Ventura Estuary

Water Body	Ventura Estuary
Stressor/Media/Beneficial Use	Fecal coliform/Water/REC1 and shellfish harvesting
Data quality assessment. Extent to which data quality requirements met.	Ojai Valley River Volunteer Monitoring Program
Linkage between measurement endpoint and beneficial use or standard	WQO linked to REC1 and shellfish harvest
Utility of measure for judging if standards or uses are not attained	BP WQO Exceedance for fecal coliform.
Water Body-specific Information	Data is 2-4 year old, data measured in the waterbody, samples collected different in seasons and years
Data used to assess water quality	37 bacteria samples, 6 samples exceeding 400/100ml objective
Spatial representation	1 site
Temporal representation	Different seasons and years
Data type	Numerical
Use of standard method	Ojai Valley River Volunteer Monitoring Program
Potential Source(s) of Pollutant	Stables and horse property
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Ventura River Watershed-Canada Larga

Water Body	Ventura River Watershed-Canada Larga
Stressor/Media/Beneficial Use	Dissolved Oxygen/Water/Aquatic Life (warm-cold water and wildlife habitat, spawning, repro and migration)
Data quality assessment. Extent to which data quality requirements met.	Ojai Valley River Volunteer Monitoring Program
Linkage between measurement endpoint and beneficial use or standard	WQO exceedance for Dissolved Oxygen
Utility of measure for judging if standards or uses are not attained	BP WQO Exceedance below 5 mg/L for Dissolved Oxygen
Water Body-specific Information	Data is 1-3 year old, data measured in the waterbody, samples collected different in seasons and years
Data used to assess water quality	21 water samples, 5 samples exceeding
Spatial representation	2 stations
Temporal representation	Collected during all seasons
Data type	Numerical
Use of standard method	Ojai Valley River Volunteer Monitoring Program
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Ventura River Watershed-Canada Larga

Water Body	Ventura River Watershed-Canada Larga
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC1
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and beneficial use or standard	WQO linked to REC1
Utility of measure for judging if standards or uses are not attained	WQO Applicable to REC1
Water Body-specific Information	Data is 1-3 year old, data measured in the waterbody, samples collected different in seasons and years
Data used to assess water quality	Fecal Coliform (9 bacteria samples, 1 sample exceeding), E. coli (10 bacteria samples, 3 samples exceeding), Combined (19 bacteria samples, 4 samples exceeding)
Spatial representation	Unknown
Temporal representation	Different seasons and years
Data type	Numerical
Use of standard method	Unknown
Potential Source(s) of Pollutant	Horse stables, land use, cattle, wildlife
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List for Fecal Coliform and combined (Fecal coliform and E. coli).

Region 4

Ventura River Watershed-San Antonio Creek

Water Body	Ventura River Watershed-San Antonio Creek
Stressor/Media/Beneficial Use	Total nitrogen/Water/WQO
Data quality assessment. Extent to which data quality requirements met.	Ojai Valley Wastewater Treatment Plant
Linkage between measurement endpoint and beneficial use or standard	WQO applicable
Utility of measure for judging if standards or uses are not attained	Exceedance of Basin Plan WQO of 5 mg/L for Nitrogen
Water Body-specific Information	Data is 2-6 year old, data measured in the waterbody, samples collected different in seasons and years
Data used to assess water quality	23 water samples, 4 samples exceeding
Spatial representation	2 sites
Temporal representation	Winter 98 - Summer 00
Data type	Numerical
Use of standard method	Ojai Valley Wastewater Treatment Plant
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 4

Westlake Lake

Water Body	Westlake Lake
Stressor/Media/Beneficial Use	Chlordane/Tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	QAPP
Linkage between measurement endpoint and beneficial use or standard	MTRLs are linked to Fish Consumption
Utility of measure for judging if standards or uses are not attained	MTRLs are applicable to Fish Consumption
Water Body-specific Information	No new data presented
Data used to assess water quality	No new data presented
Spatial representation	No new data presented
Temporal representation	No new data presented
Data type	No new data presented
Use of standard method	Standard Methods
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing was based on a tissue concentration that now is below the MTRLs)
SWRCB Staff Recommendation	Delist

Region 4

Westlake Lake

Water Body	Westlake Lake
Stressor/Media/Beneficial Use	Copper/Tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and beneficial use or standard	EDLs are not a valid assessment guideline
Utility of measure for judging if standards or uses are not attained	EDLs are determined insufficient basis for impairment determination
Water Body-specific Information	No new data presented
Data used to assess water quality	No new data presented
Spatial representation	No new data presented
Temporal representation	No new data presented
Data type	No new data presented
Use of standard method	NA
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist (Listing based on EDLs which no longer represent valid assessment guidelines)
SWRCB Staff Recommendation	Delist

Reference List for Region 4

Staff Report

California Regional Water Quality Control Board. Los Angeles Region. 2002. Draft Staff Report. 2002 Update: CWA Section 305(b) Report and Section 303(d) List of Impaired Waters. January 29, 2002. And associated Fact Sheets.

Reports and Information

Aquatic Bioassay and Consulting Laboratories. The Marine Environment of Marina del Rey Harbor, Reports to the Department of Beaches and Harbors, County of Los Angeles, July 1995-June 1996; July 1996-June 1997; July 1997-June 1998; July 1998-June 1999.

California Department of Fish and Game. 1998. Sediment Chemistry, Toxicity and Benthic Community Conditions in Selected Water Bodies of the Los Angeles Region, Final Report to California State Water Resources Control Board, Bay Protection and Toxic Cleanup Program, August 1998.

California Department of Fish and Game, Office of Spill Prevention and Response, Water Pollution Control Laboratory. 1998. A Water Quality Inventory Series: Biological and Physical/Habitat Assessment of California Water Bodies, Calleguas Creek Characterization Study, Benthic Macroinvertebrates (November 1998).

California Office of Environmental Health Hazard Assessment. 2001. California Sport Fish Consumption Advisories. June 2001.

California Regional Water Quality Control Board, Los Angeles Region. 2001. Watershed Management Initiative Chapter. (December 2001).

City of Los Angeles, Bureau of Sanitation. 2001. Low-Flow Diversion of Dry-Weather Runoff. Report to City of Los Angeles' Environmental Quality and Waste Management Committee, January 11, 2001.

Federal Register. 2000. Water Quality Standards; Establishment of Numeric Criteria for Priority Toxic Pollutants for the State of California; Rule (California Toxics Rule). 40 CFR Part 131. May 18, 2000.

Harrington, James M. 2001. Letter from James M. Harrington, California Department of Fish and Game, to Jonathan S. Bishop, Los Angeles Regional Water Quality Control Board, dated December 6, 2001.

Jones, Howard M. Letter with photographs from Howard M. Jones, Trustee, Lena Jones Trust, to Melinda Becker, Los Angeles Regional Water Quality Control Board, dated April 26, 2001.

Larry Walker and Associates. 2000. Calleguas Creek Characterization Study: Results of the Coordinated Water Quality Monitoring Program, Surface Water Element.

Los Angeles County Department of Public Works. 2001. 1994-2000 Stormwater Monitoring Report. (Excerpt).

Long, E.R., L.J. Field and D.D. MacDonald. 1998. Predicting Toxicity in Marine Sediments with Numerical Sediment Quality Guidelines, Environmental Toxicology and Chemistry 17(4): 714-727.

Los Angeles Regional Water Quality Control Board. 1994. Water Quality Control Plan, Los Angeles Region (Basin Plan).

Los Angeles Regional Water Quality Control Board. 1996. 1996 California Water Quality Assessment – 305(b) Report Supporting Documentation for Los Angeles Region.

MacDonald, D.D. 1994. Approach to the Assessment of Sediment Quality in Florida Coastal Waters, Prepared for the Florida Department of Environmental Regulation, MacDonald Environmental Services, Ltd., Ladysmith, British Columbia.

Masoner, Kim. Letter with photographs from Kim Masoner, President, Seal Beach Chamber and Business Association, to Renee DeShazo, Los Angeles Regional Water Quality Control Board, dated May 11, 2001.

MEC Analytical Systems. 1998. Results of Physical, Chemical and Bioassay Testing of Sediments Collected from the Los Angeles River Estuary, Report to US Army Corps of Engineers, Los Angeles District (September 1998).

MEC Analytical Systems. Report of Testing of Sediments Collected from Marina del Rey Harbor, California, Submitted to US Army Corps of Engineers, Los Angeles District, February 1998; February 1999.

State Water Resources Control Board. 1997a. Water Quality Control Plan, Ocean Waters of California (Ocean Plan).

State Water Resources Control Board. 1997b. Toxic Substances Monitoring Program 1994-95 Data Report (October 1997).

State Water Resources Control Board. 2000. State Mussel Watch Program 1995-1997 Data Report (September 2000).

State Water Resources Control Board. 2001a. Memo to Regional Board Executive Officers from Stan Martinson, Chief, Division of Water Quality, regarding "Solicitation of Water Quality Information."

State Water Resources Control Board. 2001b. Letter to Interested Persons from Stan Martinson, Chief, Division of Water Quality, dated March 14, 2001.

US Army Corps of Engineers, Los Angeles District. 1997. Final Environmental Assessment for Los Angeles River Estuary Maintenance Dredging, Long Beach, California (July 1997).

US Army Corps of Engineers, Los Angeles District. 1999. The Port of Hueneme, California, Deep Draft Navigation Feasibility Study, Final Feasibility Report (August 1999).

US Department of Agriculture, Natural Resources Conservation Service. 1995. Calleguas Creek Watershed Erosion and Sediment Control Plan for Mugu Lagoon, Ventura and Los Angeles Counties, California (May 1995).

United States Environmental Protection Agency. 1997. *Guidelines for Preparation of the Comprehensive State Water Quality Assessments (305(b) Reports) and Electronic Updates: Supplement*

External Data By Organization

California Department of Water Resources, Southern District.

Camarillo Sanitary District. Receiving water data.

Casitas Municipal Water District

City of Calabasas. Adopt-A-Creek water quality data.

City of Los Angeles. L.A.-Glendale and Tillman Water Reclamation Plants' receiving water data.

City of San Buenaventura

City of Thousand Oaks. Conejo Creek supplemental data.

City of Thousand Oaks. Hill Canyon and Olsen Road WWRPs' receiving water data.

County of Los Angeles, Department of Public Works. Stormwater monitoring data.

Heal the Bay. Bioassessment and physical habitat assessment data for Malibu Creek watershed.

Las Virgenes Municipal Water District. Tapia Water Reclamation Facility receiving water data.

Los Angeles County Sanitation Districts. Long Beach, Los Coyotes, Pomona, San Jose Creek, Saugus, Valencia and Whittier Narrows Water Reclamation Plants' receiving water data.

Ojai Valley Sanitation District.

Santa Barbara ChannelKeeper. Ventura River Watershed Monitoring Program.

Santa Monica BayKeeper. BeachKeeper Program: Citizen Water Quality Monitoring Data (January 1996-May 2001). Volumes I & II.

State Water Resources Control Board. Bay Protection and Toxic Cleanup Program.

State Water Resources Control Board. Beach Closure Report.

State Water Resources Control Board. Calleguas Creek toxicity monitoring data.

State Water Resources Control Board. State Mussel Watch Program.

State Water Resources Control Board. Toxic Substances Monitoring Program.

United Water Conservation District.

University of California, Davis. Calleguas Creek toxicity monitoring program data.

Ventura County Department of Health Services. Shoreline bacteriological data.